

GENERAL CATALOGUE

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 **OPERA[®]**
OPERATING ACCESS

WELCOME IN SECURITY

**OPERA IS AN INDEPENDENT COMPANY.
THE PRODUCTION PREMISES ARE BASED
IN MODENA - ITALY, TOWN WITH AN OLD TRADITION
IN LOCK MANUFACTURING**

The company was set up in 1997 and it is specialised in the manufacturing of electronic locks and doors accessories. From a company that manufactured products, Opera has evolved into a company that offers solutions aimed at improving the security and safety of individuals and their belongings. Today with more than 20 people and advanced production means, Opera is at the top of the European ranking of locks manufacturers.



INNOVATORS since 1997

**“It doesn’t make sense to hire smart people and tell them what to do;
we hire smart people so they can tell us what to do”**

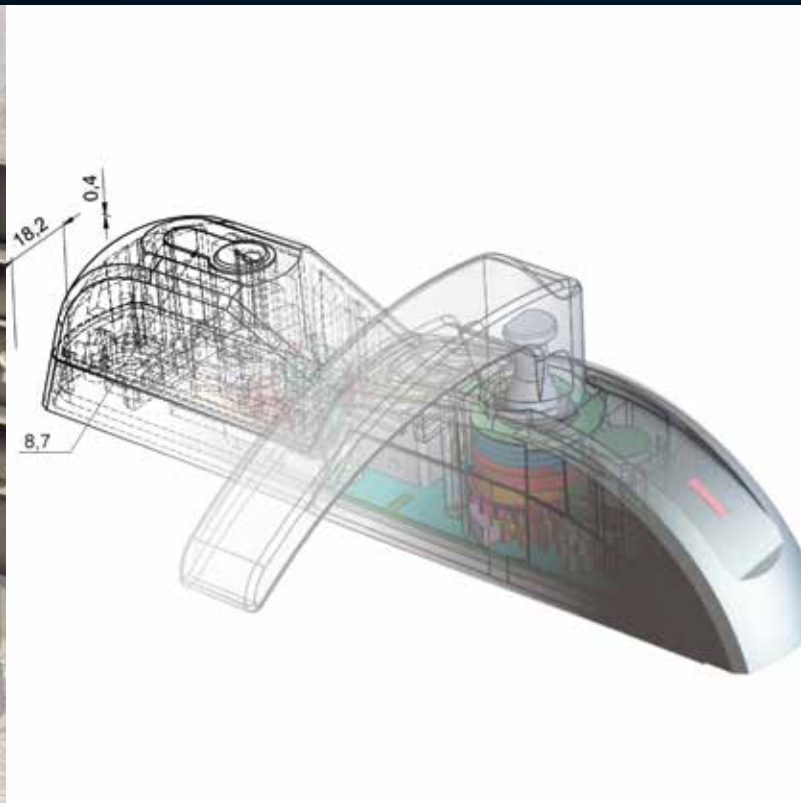
Steve Jobs

This is the way we move in our job. We transform ideas in projects because we believe in our people and in their skills.



23 YEARS OF WORK IN THE SECURITY BUSINESS





“MADE IN OPERA”
THIS IS MUCH MORE
THAN MADE IN ITALY

100% LISTENING

Installation technicians, doors manufacturers, technical departments of the biggest companies producing security products, are our source. The request comes from the market and becomes our goal. To manufacture a product as the customer wishes is the only way of working we believe in.



100% SKILL

Engineers, electronics experts, mechanical technicians are our Research and Development department. We perform our ideas using the most innovative project software and the most modern laser cutting machines for quick prototyping.

100% MADE IN ITALY

We produce in Italy. We do not outsource production abroad; we believe in the quality of Italian companies and of our suppliers who are 90% from within Italy. Our high quality products are produced respecting environment and all relevant European standards.



100% COMMUNICATION

Our products fit for everybody. In 2013 we have created OPERA ACADEMY to update and inform the sales net about new products and field rules. In our headoffice in Modena, there is a dedicated meeting room at your disposal. You can contact us to fix an appointment, you will be our guest. If you wish, you could also visit our town and enjoy motors and gastronomy tours with professional tourist guides.

100% HOSPITABILITY

Technical data, prices, positive and negative peculiarities are visible to everybody. You only have to call or visit us on the web to get all the product information you need.



SAFETY



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160	00280L	Spacer for electric lock
160	00280S	Spacer for electric lock
160	00280UNI	Spacer for electric lock
161	00281	Striking plate (replacement) 280 series
161	00281 BR	Striking plate (replacement) 280 series
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36	03001	Mounting bracket for magnetic locks
36	03001N	Mounting bracket for magnetic locks
36	03002	Mounting bracket for magnetic locks
36	03003	Mounting bracket for magnetic locks
36	03004	Mounting bracket for magnetic locks
36	03004A	Mounting bracket for magnetic locks
36	03005	Cover carter
36	03006	Cover carter
37	03007	Bracket for glazed door
94	03010	Front plate for electric strike
94	03010S	Front plate for electric strike
94	03030	Front plate for electric strike
94	03030CRO	Front plate for electric strike
94	03030GD	Front plate for electric strike
94	03030 GDR	Front plate for electric strike
95	03031	Front plate for electric strike
95	03130	Front plate for electric strike
95	03131	Front plate for electric strike
95	03132	Front plate for electric strike
95	03162	Front plate for electric strike
95	03162BA	Front plate for electric strike
96	03310	Front plate for electric strike
96	03310R	Front plate for electric strike
96	03330	Front plate for electric strike
96	03331	Front plate for electric strike
96	03342	Front plate for electric strike
97	03370	Front plate for electric strike
97	03370R	Front plate for electric strike
97	03371	Front plate for electric strike
97	03372	Front plate for electric strike
97	03374	Front plate for electric strike
97	03374R	Front plate for electric strike
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37	03700	Mounting bracket for magnetic locks
37	03700N	Mounting bracket for magnetic locks
37	03701	Mounting bracket for magnetic locks
37	03701N	Mounting bracket for magnetic locks
37	03705	Cover carter
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185	OP04501 56	Indicator lamp
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193	05261	Voice circuit
196	05301C	Weekly timer
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197	05312A	Switching power supply
197	05312XL	Switching power supply
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197	05325A	Switching power supply
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197	05330XSA	Switching power supply
197	05331A	Switching power supply
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192	05502N	Rim mounting box
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192	05502PDBR	Rim mounting box
192	05502PDGD	Rim mounting box
192	05502PDN	Rim mounting box
219	05502T	Rim mounting box
192	05503	Rim mounting box
192	05503BR	Rim mounting box
192	05503GD	Rim mounting box
192	05503N	Rim mounting box
192	05504	Rim mounting box
192	05504BR	Rim mounting box
192	05504GD	Rim mounting box
192	05504N	Rim mounting box
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186	05513	Intercom receiver
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190	05540	Rim mounting box
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238	05820	Electronic for biometric reader
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268	08010 07	Euro-profile cylinder
268	08010 08	Euro-profile cylinder
268	08010 09	Euro-profile cylinder
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268	08010 11	Euro-profile cylinder
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254	08020 07RF	Motor cylinder
254	08020 08RF	Motor cylinder
254	08020 09RF	Motor cylinder
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268	08030 08	Euro-profile cylinder
268	08030 11	Euro-profile cylinder
268	08030 13	Euro-profile cylinder
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268	08040 00	Key selector
195	08600	Lead cover
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195	08610	Lead cover
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195	08640	Lead cover
195	08641	Lead cover
195	08650	Tappet contact
194	08700	Anti rebound ball-catch
99	08710	Latch lock



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99	08711A	Latch lock
252	09000	Motor cylinder
252	09002	Spacer for motor cylinder
252	09003	Spacer for motor cylinder
252	09004	Spacer for motor cylinder
252	09005	Universal joint
28	12500	Electromagnetic lock - Safety series
28	12700	Electromagnetic lock - Safety series
28	12800	Electromagnetic lock - Safety series
28	12800M	Electromagnetic lock - Safety series
28	12800MN	Electromagnetic lock - Safety series
28	12800N	Electromagnetic lock - Safety series
29	13000	Electromagnetic lock - Safety series
29	13000N	Electromagnetic lock - Safety series
29	13100	Electromagnetic lock - Safety series
29	13100N	Electromagnetic lock - Safety series
29	13100TD	Electromagnetic lock - Safety series
29	13100TDN	Electromagnetic lock - Safety series
30	13400	Electromagnetic lock - Safety series
30	13400M	Electromagnetic lock - Safety series
30	13500	Electromagnetic lock - Safety series
30	13500M	Electromagnetic lock - Safety series
30	13600	Electromagnetic lock - Safety series
30	13600N	Electromagnetic lock - Safety series
31	13700	Electromagnetic lock - Safety series
35	13700KIT TF	Electromagnetic lock - Safety series
35	13700KIT TFB	Electromagnetic lock - Safety series
31	13700N	Electromagnetic lock - Safety series
31	13700TD	Electromagnetic lock - Safety series
31	13700TDL	Electromagnetic lock - Safety series
31	13700TDLN	Electromagnetic lock - Safety series
31	13700TDN	Electromagnetic lock - Safety series
32	13800	Electromagnetic lock - Safety series
32	13900	Electromagnetic lock - Safety series
32	13900M	Electromagnetic lock - Safety series
32	14000	Electromagnetic lock - Safety series
32	14000N	Electromagnetic lock - Safety series
33	14212R	Electromagnetic lock - Safety series
33	14224R	Electromagnetic lock - Safety series
33	14700TD	Electromagnetic lock - Safety series
33	14700TDBR	Electromagnetic lock - Safety series
33	14700TDN	Electromagnetic lock - Safety series
33	14710TD	Electromagnetic lock - Safety series
33	14710TDBR	Electromagnetic lock - Safety series
33	14710TDN	Electromagnetic lock - Safety series
34	14800TD	Electromagnetic lock - Safety series
52	17003A	Electromagnetic door holder
53	18003	Electromagnetic door holder
55	18004	Electromagnetic door holder
53	18005	Electromagnetic door holder
53	18005B	Electromagnetic door holder
55	18100	Electromagnetic door holder
55	18101	Electromagnetic door holder
55	18104	Electromagnetic door holder
53	19000	Electromagnetic door holder
53	19000GC	Electromagnetic door holder
53	19000GCR	Electromagnetic door holder
53	19000GCDV	Electromagnetic door holder
53	19000R	Electromagnetic door holder
53	19001	Electromagnetic door holder
53	19001DV	Electromagnetic door holder
53	19001GC	Electromagnetic door holder
53	19001GCR	Electromagnetic door holder
53	19001R	Electromagnetic door holder
54	19002	Electromagnetic door holder
54	19002DV	Electromagnetic door holder
54	19002GD	Electromagnetic door holder
54	19002GDR	Electromagnetic door holder
54	19002GDDV	Electromagnetic door holder
54	19002N	Electromagnetic door holder
54	19002NR	Electromagnetic door holder



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54	19002R	Electromagnetic door holder
106	20610	Horizontal solenoid bolt
109	20610XS	Horizontal solenoid bolt
106	20611	Horizontal solenoid bolt
109	20611XS	Horizontal solenoid bolt
106	20612	Horizontal solenoid bolt
106	20613	Horizontal solenoid bolt
109	20613XS	Horizontal solenoid bolt
109	20811XS	Horizontal solenoid bolt
107	20812	Horizontal solenoid bolt
107	20813	Horizontal solenoid bolt
109	20813XS	Horizontal solenoid bolt
108	20910	Horizontal solenoid bolt
110	20910XS	Horizontal solenoid bolt
108	20911	Horizontal solenoid bolt
110	20911XS	Horizontal solenoid bolt
110	20911XSA	Horizontal solenoid bolt
108	20913	Horizontal solenoid bolt
108	20913A	Horizontal solenoid bolt
110	20913XS	Horizontal solenoid bolt
110	20913XSA	Horizontal solenoid bolt
111	21610	Horizontal solenoid bolt
111	21611	Horizontal solenoid bolt
114	21614	Horizontal solenoid bolt
114	21614S	Horizontal solenoid bolt
114	21616S	Horizontal solenoid bolt
112	21810	Horizontal solenoid bolt
112	21811	Horizontal solenoid bolt
112	21812	Horizontal solenoid bolt
115	21814	Horizontal solenoid bolt
115	21814S	Horizontal solenoid bolt
115	21815	Horizontal solenoid bolt
115	21815S	Horizontal solenoid bolt
115	21816	Horizontal solenoid bolt
113	21910	Horizontal solenoid bolt
113	21911	Horizontal solenoid bolt
113	21913	Horizontal solenoid bolt
115	21914	Horizontal solenoid bolt
115	21914S	Horizontal solenoid bolt
115	21915	Horizontal solenoid bolt
115	21915S	Horizontal solenoid bolt
122	22800M	Electric lock for cabinet
122	22800MBR	Electric lock for cabinet - RFID
123	22912	Electric lock for cabinet
123	22912CS	Electric lock for cabinet
123	22924	Electric lock for cabinet
123	22924CS	Electric lock for cabinet
138	23000	Double action lock for swing door
125	23622S	Electric lock for sliding door
125	23624S	Electric lock for sliding door
124	23800	Electric lock for sliding door
124	23800FG	Electric lock for sliding door
124	23822	Electric lock for sliding door
124	23822FG	Electric lock for sliding door
124	23824	Electric lock for sliding door
124	23824FG	Electric lock for sliding door
125	23822S	Electric lock for sliding door
125	23824S	Electric lock for sliding door
136	24600	Prima mortice solenoid bolt
136	24608	Prima mortice solenoid bolt
144	24620	Prima mortice solenoid bolt
144	24628	Prima mortice solenoid bolt
136	24800	Prima mortice solenoid bolt
136	24808	Prima mortice solenoid bolt
144	24820	Prima mortice solenoid bolt
144	24828	Prima mortice solenoid bolt
174	25500	Mortice lock - Maxima series
174	25511	Mortice lock - Maxima series
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138	25608	Prima mortice solenoid bolt
145	25620	Prima mortice solenoid bolt



PAG.	ITEM.	DESCRIPTION
145	25628	Prima mortice solenoid bolt
138	25800	Prima mortice solenoid bolt
138	25808	Prima mortice solenoid bolt
145	25820	Prima mortice solenoid bolt
145	25828	Prima mortice solenoid bolt
139	25900	Prima mortice solenoid bolt
139	25908	Prima mortice solenoid bolt
140	25910	Prima mortice solenoid bolt
140	25918	Prima mortice solenoid bolt
152	26600	Classica mortice solenoid lock
152	26608	Classica mortice solenoid lock
152	26800	Classica mortice solenoid lock
152	26808	Classica mortice solenoid lock
153	27600	Classica mortice solenoid lock
153	27608	Classica mortice solenoid lock
153	27800	Classica mortice solenoid lock
153	27808	Classica mortice solenoid lock
154	27900	Classica mortice solenoid lock
154	27908	Classica mortice solenoid lock
160	28001	Rim electric lock for gates and doors
160	28002	Rim electric lock for gates and doors
160	28003	Rim electric lock for gates and doors
162	28201	Rim electric lock for gates and doors
162	28203	Rim electric lock for gates and doors
164	28700	Gate bolt
164	28710	Gate bolt
166	28720	Legion Motor Bolt
166	28720N	Legion Motor Bolt
168	28800	Gate bolt
168	28800LC	Gate bolt
82	31012	Mortice electric strike
82	31012DC	Mortice electric strike
84	31012DCF	Mortice electric strike
84	31012TD	Mortice electric strike
84	31112TD	Mortice electric strike
84	31012DCPN	Mortice electric strike
83	31012UNI	Mortice electric strike
82	31024DC	Mortice electric strike
82	31112	Mortice electric strike
82	31112DC	Mortice electric strike
83	31112UNI	Mortice electric strike
82	31124DC	Mortice electric strike
82	31212	Mortice electric strike
82	31212DC	Mortice electric strike
82	31212L	Mortice electric strike
82	31212LDC	Mortice electric strike
83	31212UNI	Mortice electric strike
83	31212L UNI	Mortice electric strike
82	31224DC	Mortice electric strike
82	31224LDC	Mortice electric strike
82	31312	Mortice electric strike
82	31312DC	Mortice electric strike
82	31312L	Mortice electric strike
82	31312LDC	Mortice electric strike
83	31312L UNI	Mortice electric strike
83	31312UNI	Mortice electric strike
82	31324DC	Mortice electric strike
82	31324LDC	Mortice electric strike
82	31412A	Mortice electric strike
84	31412FTA	Mortice electric strike
82	31512A	Mortice electric strike
84	31812	Mortice electric strike
84	31824	Mortice electric strike
85	32012	Mortice electric strike
86	32012PLA	Mortice electric strike
85	32112	Mortice electric strike
86	32112PLA	Mortice electric strike
85	32212	Mortice electric strike
86	32212PLA	Mortice electric strike
85	32312	Mortice electric strike
86	32312PLA	Mortice electric strike



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PAG.	ITEM.	DESCRIPTION
85	32812	Mortice electric strike
85	32824	Mortice electric strike
87	33012	Mortice electric strike
87	33112	Mortice electric strike
87	33212	Mortice electric strike
87	33312	Mortice electric strike
87	33412	Mortice electric strike
87	33512	Mortice electric strike
88	34602A	Mortice electric strike
88	34604A	Mortice electric strike
88	34622	Mortice electric strike
88	34624	Mortice electric strike
88	34802A	Mortice electric strike
88	34804A	Mortice electric strike
88	34822	Mortice electric strike
88	34824	Mortice electric strike
85	35412	Mortice electric strike
85	35512	Mortice electric strike
89	36012B	Electric strike for panic bar
89	36012BM	Electric strike for panic bar
89	36012C	Electric strike for panic bar
89	36412B	Electric strike for panic bar
89	36412C	Electric strike for panic bar
89	36612B	Electric strike for panic bar
89	36612BM	Electric strike for panic bar
89	36624B	Electric strike for panic bar
89	36624BM	Electric strike for panic bar
89	36812B	Electric strike for panic bar
89	36812BM	Electric strike for panic bar
89	36824B	Electric strike for panic bar
89	36824BM	Electric strike for panic bar
90	37012A	Mortice electric strike for armoured door
90	37212A	Mortice electric strike for armoured door
90	37312A	Mortice electric strike for armoured door
90	37412A	Mortice electric strike for armoured door
90	37512A	Mortice electric strike for armoured door
90	37612A	Mortice electric strike for armoured door
90	37624A	Mortice electric strike for armoured door
90	37812A	Mortice electric strike for armoured door
90	37824A	Mortice electric strike for armoured door
91	38012A	Mortice electric strike for armoured door
91	38412A	Mortice electric strike for armoured door
91	38612A	Mortice electric strike for armoured door
91	38624A	Mortice electric strike for armoured door
91	38812A	Mortice electric strike for armoured door
91	38824A	Mortice electric strike for armoured door
92	39012A	Mortice electric strike for armoured door
92	39812A	Mortice electric strike for armoured door
70	40600	Electric handle Smart Trim
70	40600B	Electric handle Smart Trim
70	40600GM	Electric handle Smart Trim
70	40600MEC	Electric handle Smart Trim
70	40601	Electric handle Smart Trim
70	40601B	Electric handle Smart Trim
70	40601GM	Electric handle Smart Trim
72	40610	Electric handle Smart Trim
72	40610B	Electric handle Smart Trim
72	40610N	Electric handle Smart Trim
72	40611	Electric handle Smart Trim
72	40611B	Electric handle Smart Trim
72	40611N	Electric handle Smart Trim
74	40620	Electric handle Smart Trim
74	40620B	Electric handle Smart Trim
74	40620N	Electric handle Smart Trim
74	40621	Electric handle Smart Trim
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70	40800	Electric handle Smart Trim
70	40800B	Electric handle Smart Trim
70	40800GM	Electric handle Smart Trim
70	40801	Electric handle Smart Trim



PAG.	ITEM.	DESCRIPTION
70	40801B	Electric handle Smart Trim
70	40801GM	Electric handle Smart Trim
72	40810	Electric handle Smart Trim
72	40810B	Electric handle Smart Trim
72	40810N	Electric handle Smart Trim
72	40811	Electric handle Smart Trim
72	40811B	Electric handle Smart Trim
72	40811N	Electric handle Smart Trim
222	40814	RFID Handle
222	40814GD	RFID Handle
222	40814MF	RFID Handle
222	40814GDMF	RFID Handle
250	40814RF	Electric handle
250	40814GDRF	Electric handle
74	40820	Electric handle Smart Trim
74	40820B	Electric handle Smart Trim
74	40820N	Electric handle Smart Trim
74	40821	Electric handle Smart Trim
74	40821B	Electric handle Smart Trim
74	40821N	Electric handle Smart Trim
177	44000	Switch push bar
43	51300	Time delaying module
43	51400	Time delaying module
43	51500	Time delaying module
63	52002	Single zone fire controller
177	53500	Sensitive card
177	53501	Sensitive card
153	OP54036	Corni look alike mortice lock
153	OP54038	Corni look alike mortice lock
175	54250	Electronic control unit - 1 door
175	54255	Electronic control unit - 2 doors
129	54610	Electronic control unit - 1 door
44/130	54611A	Control system console - 1 door
44/130	54612A	Control system console - 2 doors
130	54613A	Control system console - 3 doors
130	54614A	Control system console - 4 doors
129	54710	Electronic unit for 2 doors
44	55001	Exit system - electronic
45	55003	Emergency door kit
47	55005	Alarm system - electronic
183	55010	Red/green indicator lamp
183	55010 BR	Red/green indicator lamp
183	55010GD	Red/green indicator lamp
183	55010N	Red/green indicator lamp
183	55011	Red/green indicator lamp
183	55011BR	Red/green indicator lamp
183	55011GD	Red/green indicator lamp
183	55011N	Red/green indicator lamp
183	55012	Red/green indicator lamp
183	55012BR	Red/green indicator lamp
183	55012GD	Red/green indicator lamp
183	55012N	Red/green indicator lamp
184	55013	External porter
184	55013BR	External porter
184	55013GD	External porter
184	55013N	External porter
184	55014	Red/green indicator lamp
184	55014BR	Red/green indicator lamp
184	55014GD	Red/green indicator lamp
184	55014N	Red/green indicator lamp
188	55017	Door release push button
188	55017V	Door release push button
188	55017N	Door release push button
188	55017VN	Door release push button
188	55017D	Door release push button
188	55017DV	Door release push button
188	55017DN	Door release push button
188	55017DVN	Door release push button
188	55018	Door release push button
188	55018N	Door release push button
188	55018V	Door release push button



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PAG.	ITEM.	DESCRIPTION
188	55018VN	Door release push button
189	55020	Anti vandal door release push button
189	55020EX	Anti vandal door release push button
189	55020NT	Anti vandal door release push button
189	55021	Anti vandal door release push button
189	55022	Anti vandal door release push button
189	55023	Anti vandal door release push button
142	OP55036	Solenoid bolt - Prima OP series
142	OP55038	Solenoid bolt - Prima OP series
143	OP55039	Solenoid bolt - Prima OP series
143	OP5503910	Solenoid bolt - Prima OP series
182	55030	Indicator lamp
182	55030BR	Indicator lamp
182	55030N	Indicator lamp
182	55031	Indicator lamp
182	55031BR	Indicator lamp
182	55031N	Indicator lamp
182	55033	Indicator lamp
182	55033BR	Indicator lamp
182	55033N	Indicator lamp
190	55040	Key switch
190	55040N	Key switch
190	55041	Key switch
191	55042FC	Key switch
191	55042FL	Key switch
191	55043FC	Key switch
191	55043FL	Key switch
198	55414	Four channels receiver
198	55416	Two channels receiver
198	55417	Mini receiver
198	55418	Mini receiver
199	55420	Remote control
199	55420RC	Remote control
199	55421	Remote control
199	55421RC	Remote control
204	55510RF	Linea hotel
204	55510RFA	Linea hotel
204	55510RFZC	Linea hotel
205	55510ZC	Linea hotel
205	55512	Linea hotel
205	55514	Linea hotel
204	55514RF	Linea hotel
206	55516	Linea hotel
206	55516SLA	Linea hotel
206	55516SLB	Linea hotel
206	55519	Linea hotel
207	55520	Linea hotel
212	55611NET	Multilink Net electronic
217	55612	Keypad
217	55612CR	Keypad
217	55612PD	Keypad
217	55612PDC	Keypad
217	55612PDN	Keypad
217	55612PDCN	Keypad
217	55612SS	Keypad
217	55612SSC	Keypad
218	55613A	Magnetic card reader
218	55613AAL	Magnetic card reader
213	55613NET	Magnetic card reader
218	55614	Trasponder
213	55614NET	Trasponder
218	55614SC	Trasponder
219	55614PD	Trasponder
219	55614PDN	Trasponder
221	55615	Magnetic card
221	55615SLA	Magnetic card
221	55615SLB	Magnetic card
213	55616NET	USB / RS485 converter
215	55618NET	USB / RS485 converter
219	55618PD	Dallas - iButton reader
219	55618PDN	Dallas - iButton reader



PAG.	ITEM.	DESCRIPTION
216	55622NET	Software for Multilink Net
228	55640A	Bank card reader
228	55640B	Bank card reader
228	55640C	Bank card reader
230	55642AL	Bank card reader
230	55642AAL	Bank card reader
230	55644A	Bank card reader
216	56611A	Minilink
221/222	56616	Trasponder
221/222	56616SLA	Trasponder
221/222	56616SLB	Trasponder
221/222	56616T	Trasponder
221/222	56616W	Trasponder
232	57301	Keypad
234	57312	Keypad
234	57312N	Keypad
234	57313	Keypad
234	57313N	Keypad
235	57320	Radio keypad
235	57320B	Radio keypad
250	57320BRF	Radio keypad
250	57320RF	Radio keypad
224	57401	Bluetooth reader
244	57501	Terminal GSM Doora
244	57501RF	Terminal GSM Doora
245	57512RF	Radio Keypad
245	57512SRF	Radio Keypad
245	57513RF	Radio Keypad
245	57513SRF	Radio Keypad
246	57515RF	Radio module
246	57516RF	Radio module
246	57517	Antenna
246	57518	GSM moden
254	57519	Re-locking pcb
248	57522	Software Doora
256	57530	Energy saving electronic
256	57531RF	Radio receiver
256	57532BRF	Radio magnetic sensor
256	57532RF	Radio magnetic sensor
257	57533RF	Radio detector
257	57534RF	Radio detector
226	57700	Digital viewer
226	57701	Digital viewer
236	58000	Touch Key Reader
236	58000N	Touch Key Reader
236	58013	Touch Key Reader
236	58013N	Touch Key Reader
221/236	58015	Touch Key Dallas
221/236	58015G	Touch Key Dallas
221/236	58015R	Touch Key Dallas
221/236	58015V	Touch Key Dallas
220	58018ML	Dallas - iButton reader
220	58018MLN	Dallas - iButton reader
238	58200SA	Biometric reader
238	58200SB	Biometric Wiegand
264	59001	People Counter
264	59001RF	People Counter
264	59002	People Counter
264	59002RF	People Counter
267	59013	Manual Mini Counter People
60	60000	Hydraulic damper
60	60001	Hydraulic damper
61	65000	Hydraulic shock absorber
61	65000SV	Hydraulic shock absorber
61	65001	Hydraulic shock absorber
61	65001SV	Hydraulic shock absorber
139	CC090	Connector for solenoid
139	CC091	Connector for solenoid
130	REL12V	12V relay
130	REL24V	24V relay





ISAFETY

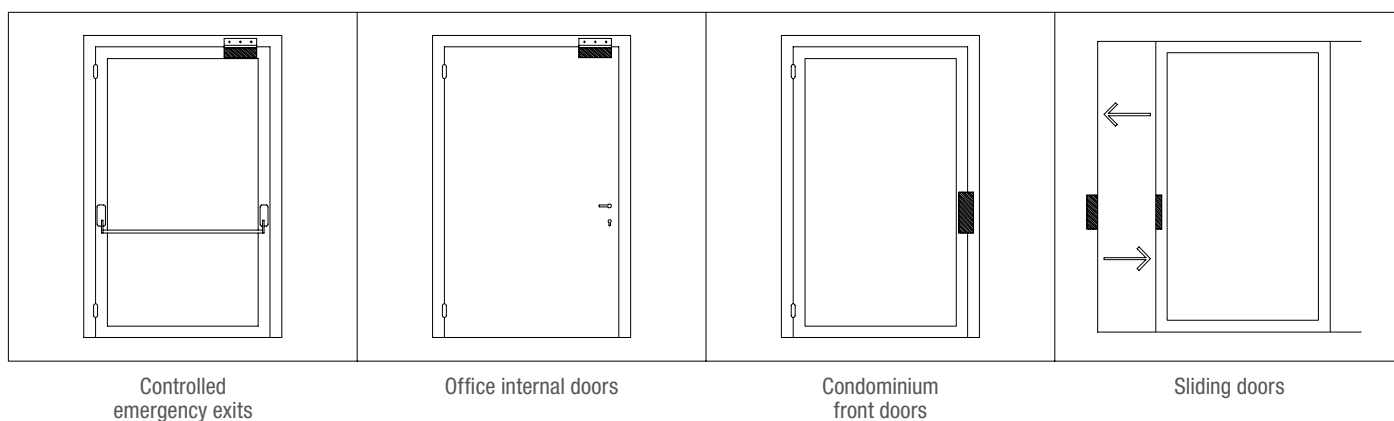
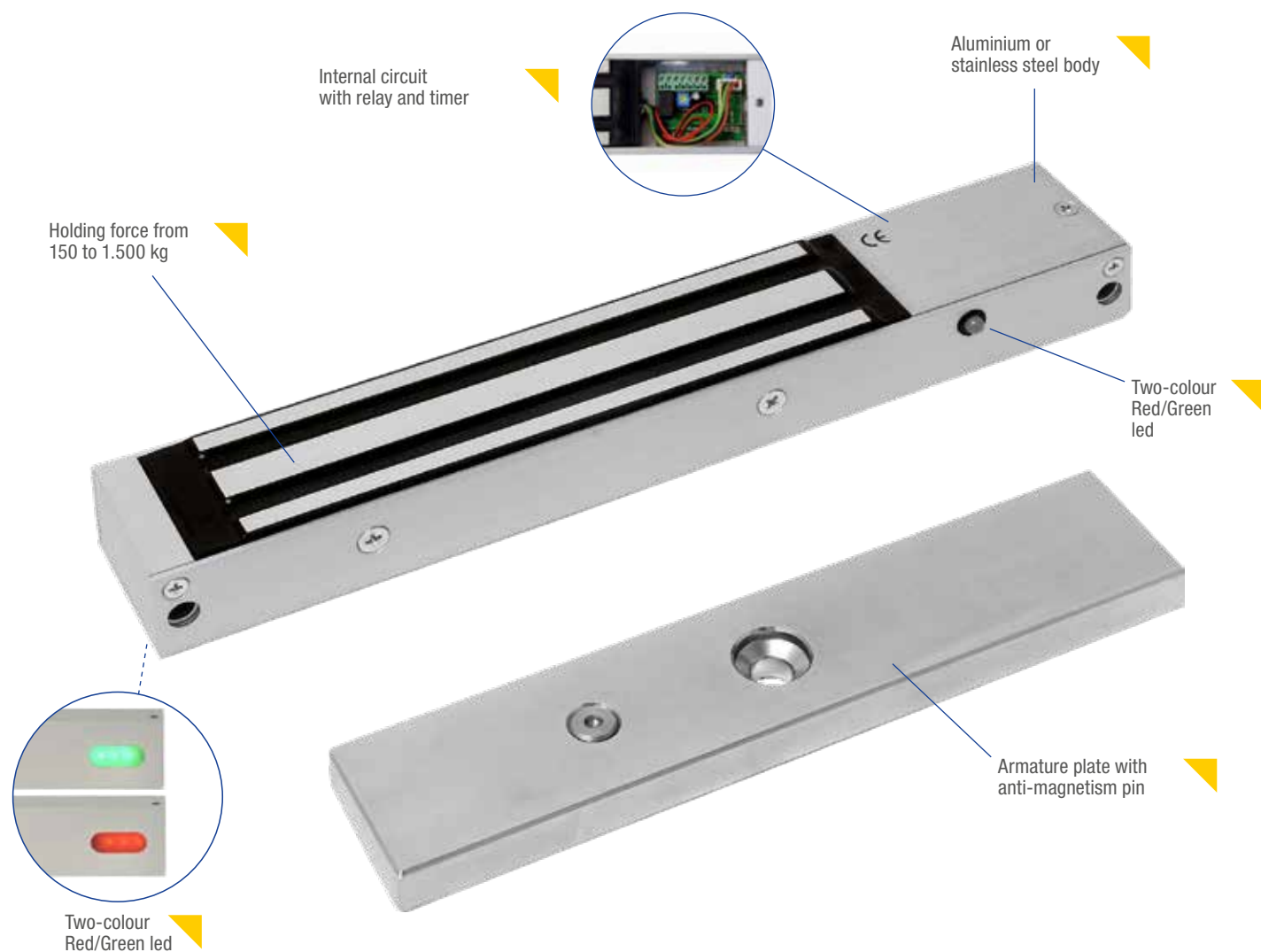
- ▶ SECURITY ELECTROMAGNETS
- ▶ IDEAL FOR EMERGENCY EXITS AND CONDOMINIUM ENTRY DOORS
- ▶ SILENT AND RESISTANT
- ▶ HOLDING FORCE FROM 150 TO 1500 KG
- ▶ CAN BE APPLIED ON PRE-EXISTING DOORS





SAFETY

www.opera-italy.com



PLUS

- ▶ Solenoid lock with electromagnetic holding
- ▶ Fail safe
- ▶ Easy to fix or introduce on pre-existing doors
- ▶ No maintenance or regulations needed in the course of time
- ▶ No mechanical wear out

AVAILABLE COLOURS



CONDOMINIUM FRONT DOOR EXAMPLE

INTERNAL OPENING



EXTERNAL OPENING



CONDOMINIUM FRONT DOOR EXAMPLE

- ▶ Always closed door guarantee
- ▶ Silent operation
- ▶ No maintenance on the electromagnet or regulation of the door closer
- ▶ Fail safe
- ▶ External opening by key switch, remote control or access control

WEB PAGE



**12500****Description****MICRO ELECTROMAGNETIC LOCK**Version: **for mortice fixing**

body in stainless steel protected against humidity

Dimensions of the body (mm): 170 x 32 x 24

Total dimensions with side wings (mm): 200 x 32 x 24

Armature plate with residual anti-magnetism pin: (mm) 152 x 32 x 8

Operating voltage: 12 Vdc

Current: 350 mA

Holding force: up to 150 Kg.

Use: locking system for sliding doors, safe deposit boxes and cabinets**Packaging:** electromagnet, armature plate and accessories for assembly**12700****MICRO ELECTROMAGNETIC LOCK**Version: **for surface fixing**

body in stainless steel protected against humidity

Dimensions (mm): 170 x 32 x 24

Armature plate with residual anti-magnetism pin: (mm) 152 x 32 x 8

Operating voltage: 12 Vdc

Current: 350 mA

Holding force: up to 150 Kg.

Use: anti-panic locking system for swing doors**Packaging:** electromagnet, flat fixing plate, armature plate and accessories for assembly**12800
12800N****MICRO ELECTROMAGNETIC LOCK**Version: **for surface fixing**

Dimensions (mm): 200 x 36 x 24

Armature plate with residual anti-magnetism pin: (mm) 152 x 32 x 8

Operating voltage: 12/24 Vdc

Current: 350 mA in 12V / 250 mA in 24V

Holding force: up to 150 Kg.

Use: anti-panic locking system for swing doorsBody in silver anodized aluminiumBody in black anodized aluminium**Packaging:** electromagnet, flat fixing plate, armature plate and accessories for assembly**12800M
12800MN****MICRO ELECTROMAGNETIC LOCK**Version: **for surface fixing**

Body in silver anodized aluminium

Dimensions (mm): 200 x 36 x 24

Armature plate with residual anti-magnetism pin:

(mm) 152 x 32 x 8

Operating voltage: 12/24 Vdc

Current: 350 mA

Internal state sensor with C./N.O./N.C. contact

Holding force: up to 150 Kg.

Use: anti-panic closing system for swing doorsBody in silver anodized aluminiumBody in black anodized aluminium**Packaging:** electromagnet, flat fixing plate, Armature plate and accessories for assembly

Art.

Description



13000
13000N

ELECTROMAGNETIC LOCK MAXI SERIES

Version: **for surface fixing**

Dimensions (mm): 265 x 66 x 41

Counterplate with residual anti-magnetism pin: (mm) 185 x 60 x 16

Operating voltage: 12/24 Vdc

Current: 500 mA @ 12 V / 250 mA @ 24 V

Holding force: up to 600 Kg.

Use: Security closing system for swing doors

Body in silver anodized aluminium

Body in black anodized aluminium

Packaging: electromagnet, flat fixing plate, counterplate and accessories for assembly



13100
13100N

ELECTROMAGNETIC LOCK MAXI SERIES WITH SENSOR

Version: **for surface fixing**

Dimensions (mm): 265 x 66 x 41

Counterplate with residual anti-magnetism pin:

(mm) 185 x 60 x 16

Operating voltage: 12/24 Vdc

Current: 500 mA @ 12 V / 250 mA @ 24 V

State sensor with Hall effect / two coloured LED Red - Green / Relay C. - N.O. - N.C.

Holding force: up to 600 Kg.

Use: Security closing system for swing doors

Body in silver anodized aluminium

Body in black anodized aluminium

Packaging: electromagnet, flat fixing plate, counterplate and accessories for assembly



13100TD
13100TDN

ELECTROMAGNET MAXI WITH ADJUSTABLE TRIMMER FOR RECLOSING TIME

Version: **for surface fixing**

Dimensions (mm): 265 x 66 x 41

Counterplate with residual anti-magnetism pin:

(mm) 185 x 60 x 16

Operating voltage: 12/24 Vdc

Current: 500 mA @ 12 V / 250 mA @ 24 V

State sensor with Hall effect / two coloured LED Red - Green / Relay C. - N.O. - N.C.

Holding force: up to 600 Kg.

Internal trimmer for reclosing time adjustable from 1 to 90 seconds

Use: Security closing system for swing doors

Body in silver anodized aluminium

Body in black anodized aluminium

Packaging: electromagnet, flat fixing plate, counterplate and accessories for assembly





13400
13400M

Art.	Description
	<p>MIDI ELECTROMAGNETIC LOCK</p> <p>Version: for surface fixing</p> <p>Body in stainless steel with rounded sides, protected against humidity</p> <p>Dimensions (mm): 230 x 45 x 30</p> <p>Armature plate with anti-magnetism pin (mm): 185 x 45 x 14</p> <p>Operating voltage: 12 Vdc</p> <p>Current: 350 mA @ 12 V</p> <p>Holding force: up to 350 Kg.</p> <p>Use: Security locking system for swing doors</p> <p><u>Without sensor</u></p> <p><u>With state sensor</u></p> <p>Packaging: electromagnet, flat fixing plate, Armature plate and accessories for assembly</p>
13500	<p>ELECTROMAGNETIC LOCK MINI SERIES</p> <p>Version: for mortice fixing</p> <p>Fixing bracket in silver anodized aluminium</p> <p>Dimensions (mm): 227 x 38 x 27</p> <p>Armature plate with residual anti-magnetism pin: (mm) 185 x 37 x 12</p> <p>Operating voltage: 12/24 Vdc</p> <p>Current: 500 mA @ 12 V / 250 mA @ 24 V</p> <p>Holding force: up to 300 Kg.</p> <p>Use: Security locking system for sliding doors</p> <p>Packaging: electromagnet, Armature plate and accessories for assembly</p>
13500M	<p>ELECTROMAGNETIC LOCK MINI SERIES WITH SENSOR</p> <p>Version: for mortice fixing</p> <p>Fixing bracket in silver anodized aluminium</p> <p>Dimensions (mm): 227 x 38 x 27</p> <p>Armature plate with residual anti-magnetism pin: (mm) 185 x 37 x 12</p> <p>Operating voltage: 12/24 Vdc</p> <p>Current: 500 mA @ 12 V / 250 mA @ 24 V</p> <p>State sensor with Hall effect / two coloured LED Red - Green / Relay C. - N.O. - N.C.</p> <p>Holding force: up to 300 Kg.</p> <p>Use: Security locking system for sliding doors</p> <p>Packaging: electromagnet, Armature plate and accessories for assembly</p>
13600 13600N	<p>ELECTROMAGNETIC LOCK MINI SERIES</p> <p>Version: for surface fixing</p> <p>Dimensions (mm): 250 x 41 x 24</p> <p>Armature plate with residual anti-magnetism pin: (mm) 185 x 37 x 12</p> <p>Operating voltage: 12/24 Vdc</p> <p>Current: 500 mA @ 12 V / 250 mA @ 24 V</p> <p>Holding force: up to 300 Kg.</p> <p>Use: Security locking system for swing doors</p> <p><u>Body in silver anodized aluminium</u></p> <p><u>Body in black anodized aluminium</u></p> <p>Packaging: electromagnet, flat fixing plate, Armature plate and accessories for assembly</p>



Art.

Description



13700
13700N

ELECTROMAGNETIC LOCK MINI SERIES

Version: **for surface fixing**

Dimensions (mm): 250 x 41 x 24

Armature plate with residual anti-magnetism pin: (mm) 185 x 37 x 12

Operating voltage: 12/24 Vdc

Current: 500 mA @ 12 V / 250 mA @ 24 V

State sensor with Hall effect / two coloured LED Red - Green / Relay C. - N.O. - N.C.

Holding force: up to 300 Kg.

Use: Security locking system for swing doors

Body in silver anodized aluminium

Body in black anodized aluminium

Packaging: electromagnet, flat fixing plate, Armature plate and accessories for assembly



13700TD
13700TDN

ELECTROMAGNET MINI WITH ADJUSTABLE TRIMMER FOR RECLOSING TIME

Version: **for surface fixing**

Dimensions (mm): 250 x 41 x 24

Armature plate with residual anti-magnetism pin: (mm) 185 x 37 x 12

Operating voltage: 12/24 Vdc

Current: 500 mA @ 12 V / 250 mA @ 24 V

State sensor with Hall effect / two coloured LED Red - Green / Relay C. - N.O. - N.C.

Holding force: up to 300 Kg.

Relock time delay adjustable from 1 to 90 seconds

Use: Security locking system for swing doors

Body in silver anodized aluminium

Body in black anodized aluminium

Packaging: electromagnet, flat fixing plate, Armature plate and accessories for assembly



13700TDL
13700TDLN

ELECTROMAGNET MINI WITH ADJUSTABLE TRIMMER FOR RECLOSING TIME AND MAXI LED

Version: **for surface fixing**

Dimensions (mm): 265 x 49 x 29

Armature plate with residual anti-magnetism pin: (mm) 185 x 45 x 14

Operating voltage: 12/24 Vdc

Current: 500 mA @ 12 V / 250 mA @ 24 V

State sensor with Hall Effect - Relay C. - N.O. - N.C.

Two coloured Red/Green LED for door status indication located in the back of the magnet body

Holding force: up to 360 Kg.

Relock time delay adjustable from 1 to 80 seconds




Use: Security locking system for swing doors

Body in silver anodized aluminium

Body in black anodized aluminium

Packaging: electromagnet, flat fixing plate, Armature plate and accessories for assembly



Art.	Description	
 <p data-bbox="421 304 488 327">13800</p>	<p data-bbox="596 304 991 327">ELECTROMAGNET SHEAR LOCK</p> <p data-bbox="596 338 866 360">Version: for mortice fixing</p> <p data-bbox="596 371 927 394">Bracket in black painted aluminium</p> <p data-bbox="596 405 1046 427">Dimensions of the bracket (mm): 267 x 35 x 35</p> <p data-bbox="596 439 1153 461">Dimensions of body for mortice fixing (mm): 220 x 35 x 35</p> <p data-bbox="596 472 1054 495">Armature plate with residual anti-magnetism pin</p> <p data-bbox="596 506 876 528">Operating voltage: 12/24 Vdc</p> <p data-bbox="596 539 1054 562">Absorbed current: 1.8 A peak / 500 mA @ 12 V</p> <p data-bbox="596 573 858 595">1 A peak / 350 mA @ 24 V</p> <p data-bbox="596 607 1086 629">State sensor with Hall effect / Relay C. - N.O. - N.C.</p> <p data-bbox="596 640 884 663">Door position magnetic sensor</p> <p data-bbox="596 674 1310 696">Internal management electronics with relocking adjustable from 0 - 15 sec.</p> <p data-bbox="596 707 1070 730">Holding force against forced entry up to 1,500 Kg.</p> <p data-bbox="596 741 1177 763">Use: high security anti-panic locking system for swing doors.</p> <p data-bbox="596 775 1321 819"><u>For correct operation the electromagnet must be mounted horizontally on the frame header with the Armature plate mounted on the frame of the door.</u></p> <p data-bbox="596 831 1299 853">Packaging: electromagnet, Armature plate and accessories for assembly</p>	
 <p data-bbox="421 1514 488 1536">13900</p> <p data-bbox="421 1547 507 1570">13900M</p>	<p data-bbox="596 1032 1082 1055">ELECTROMAGNET MICRO SHEAR LOCK</p> <p data-bbox="596 1066 866 1088">Version: for mortice fixing</p> <p data-bbox="596 1099 1246 1155">Electromagnet support bracket and Armature plate in silver anodized aluminium</p> <p data-bbox="596 1167 1086 1189">Electromagnet support bracket: 180 x 30 x 27 mm.</p> <p data-bbox="596 1200 1203 1223">Armature plate support bracket dimensions: 180 x 30 x 42 mm.</p> <p data-bbox="596 1234 1059 1256">Armature plate with residual anti-magnetism pin:</p> <p data-bbox="596 1267 876 1290">Operating voltage: 12/24 Vdc</p> <p data-bbox="596 1301 1011 1323">Current: 420 mA @ 12 V / 220 mA @ 24 V</p> <p data-bbox="596 1335 1059 1357">450 mA @ 12 V / 250 mA @ 24 V for version M</p> <p data-bbox="596 1368 1310 1391">State sensor with Hall effect / Relay C. - N.O. - N.C. (only for Art. 13900M)</p> <p data-bbox="596 1402 863 1424">Holding force: up to 680 Kg.</p> <p data-bbox="596 1435 1310 1514">Use: anti-panic locking system with dragging feature for swing doors with stops. For correct operation <u>the electromagnet must be mounted horizontally in the frame header with the armature plate mounted on top of the door</u></p> <p data-bbox="596 1525 842 1547"><u>Without door state sensor</u></p> <p data-bbox="596 1559 823 1581"><u>With door state sensor</u></p> <p data-bbox="596 1592 1299 1615">Packaging: electromagnet, Armature plate and accessories for assembly</p>	
 <p data-bbox="421 2033 488 2056">14000</p> <p data-bbox="421 2067 507 2089">14000N</p>	<p data-bbox="596 1666 1203 1727">ELECTROMAGNETIC LOCK MAXI DOUBLE SERIES WITH SENSOR</p> <p data-bbox="596 1738 1091 1760">Version: for surface application on double leaf doors</p> <p data-bbox="596 1771 908 1794">Dimensions (mm): 534 x 66 x 41</p> <p data-bbox="596 1805 1278 1827">Armature plates with residual anti-magnetism pins: (mm) 185 x 60 x 16</p> <p data-bbox="596 1839 876 1861">Operating voltage: 12/24 Vdc</p> <p data-bbox="596 1872 1086 1895">Current: 500 mA ea. @ 12 V / 250 mA ea. @ 24 V</p> <p data-bbox="596 1906 1286 1962">State sensor with Hall effect / two coloured LED Red - Green / Relay C. - N.O. - N.C.</p> <p data-bbox="596 1973 900 1995">Holding force: up to 600 Kg. x 2</p> <p data-bbox="596 2007 1091 2029">Use: anti-panic locking system for double leaf doors</p> <p data-bbox="596 2040 916 2063"><u>Body in silver anodized aluminium</u></p> <p data-bbox="596 2074 916 2096"><u>Body in black anodized aluminium</u></p> <p data-bbox="596 2107 1235 2163">Packaging: electromagnet, flat fixing plate, 2 Armature plates and accessories for assembly</p>	





14212R
14224R

Art.

Description

ELECTROMAGNETIC GATE LOCK SERIES WITH SENSOR

Version: **for surface fixing**

body in stainless steel protected against humidity

Dimensions (mm): 204 x 64 x 41

Armature plate with residual anti-magnetism pin: (mm) 185 x 60 x 16

Magnetic reed state sensor C / N.O. / N.C.

Holding force: up to 600 Kg.

Use: Security locking system for hinged and sliding gates

Operating voltage: 12 Vdc - Current: 450 mA

Operating voltage: 24 Vdc - Current: 230 mA

On demand: Conduit connector fitting - see page 39

Packaging: electromagnet, Armature plate and accessories for assembly



14700TD
14700TDN
14700TDBR

ELECTROMAGNETIC LOCK MINI SERIES WITH HANDLE

Version: **for surface fixing**

Electromagnet body and handle in aluminium

Magnet body dimensions (mm): 324 x 48 x 29

Dimensions of the handle (mm) 333 x 124 x 62

Armature plate with residual anti-magnetism pin inserted in the handle body

Operating voltage: 12/24 Vdc

Current: 500 mA @ 12 V / 250 mA @ 24 V

Internal state sensor with C./N.O./N.C. relay output

Holding force: up to 300 Kg.

Relocking time adjustable from 1 to 90 seconds.

Use: anti-panic locking system for swing doors
(i.e. condominium front entrance doors)

Without release push button

Body in silver anodized aluminium

Body in black anodized aluminium

Body in bronze anodized aluminium

Release push button housed in the handle body

14710TD
14710TDN
14710TDBR

Body in silver anodized aluminium

Body in black anodized aluminium

Body in bronze anodized aluminium

On demand: spacer for handle body and electromagnetic lock see 00147 or 00147N at page 39

Packaging: electromagnet, armature plate and accessories for assembly



Door locked



Door unlocked



Door opened



Art.

Description

**ELECTROMAGNETIC LOCK MINI SERIES
WITH LONG HANDLE**Version: **for surface fixing**

Electromagnet body and handle in aluminium

Magnet body dimensions (mm): 2474 x 48 x 32

(can be cut down to 1750mm)

Dimensions of the handle (mm) 2494 x 96 x 66

Armature plate with residual anti-magnetism pin inserted in the handle body

Operating voltage: 12/24 Vdc

Current: 500 mA @12 V / 250 mA @24 V

Internal state sensor with C./N.O./N.C. relay output

Holding force: up to 300 Kg x 2

Relocking time adjustable from 1-90 seconds

Release push button on the handle

Possibility to install the magnet in the handle housing (moving leaf) and the striking plate on the frame

Use: anti-panic locking system for swing doors
(i.e. condominium front entrance doors)**14800TD**Body in silver anodized aluminium**Packaging:** electromagnet, armature plate and accessories for assembly

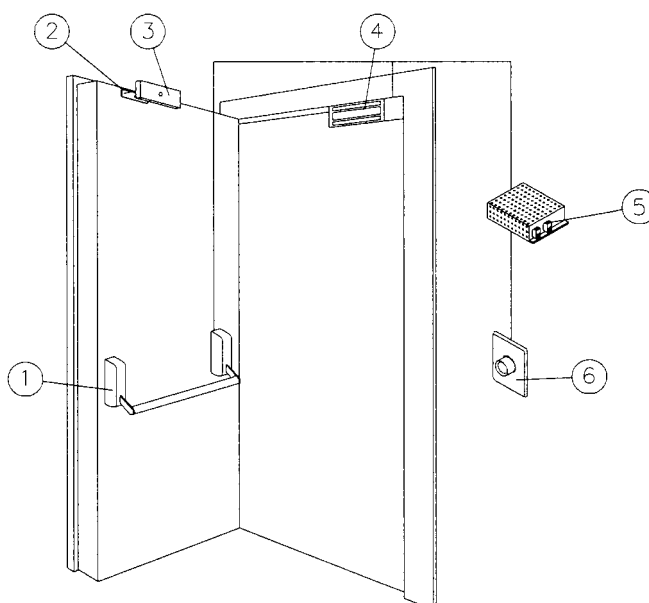
Art.	Description
13700KIT TF	ELECTROMAGNETIC LOCK MINI SERIES WITH POWER SUPPLY Features: locking of fire doors via safety electromagnet. Opening managed from inside the room by means of micro-switch command installed on the anti-panic bar which activates upon pressing the opening bar and by means of a key switch or access control system from outside. Release of the electromagnet can also be managed from a remote position with a special push button. Kit is made up of: 1 Electromagnet Art. 13700TD 1 "L" Bracket Art. 03700 1 Base stainless steel armature plate Art. 03003 1 Power supply Art. 05320



13700KIT TFB **ELECTROMAGNETIC LOCK MINI SERIES WITH POWER SUPPLY AND BACKUP BATTERY**

Features: the functional characteristics are the same as the previous article except the power supply is provided in a wall-mounted, grey ABS container with space for the backup battery.

Kit is made up of:
 1 Electromagnet Art. 13700TD
 1 "L" Bracket Art. 03700
 1 Base stainless steel armature plate Art. 03003
 1 Power supply Art. 05312
 1 Rechargeable battery Art. 00712










LEGENDA

- 1 Panic bar with micro switches and lead covers (upon request)
- 2 Striking plate base
- 3 Striking plate
- 4 Electromagnet
- 5 Power supply
- 6 Release button or key switch (optional)

Art.	Description	
	<p>03000 03000N</p> <p>“L” MOUNTING BRACKET In SILVER anodized aluminium In BLACK anodized aluminium Dimensions (mm): 268 x 38 x 76 Use: for mounting of electromagnets, series 130, 131 and 140 on “push” doors from inside with emergency type exits (See drawing at page 39)</p>	
	<p>03001 03001N</p> <p>“Z” MOUNTING BRACKET In SILVER anodized aluminium In BLACK anodized aluminium Dimensions (mm): 266 x 38 x 76 mm. (L bracket) 220 x 142 x 71-98 mm. (Z bracket) Use: for mounting of electromagnets, series 130, 131 and 140 on “pull” doors from inside. Kit is made up of 3 pieces. (See drawing at page 39)</p>	
	<p>03002</p> <p>UNIVERSAL, ADJUSTABLE “L” MOUNTING BRACKET In galvanized white steel Dimensions (mm): 268 x 38 - 76 mm. Use: for mounting of electromagnets, series 130, 131 and 140 on “push” doors from inside with emergency type exits (See drawing at page 39)</p>	
	<p>03003</p> <p>“UNIVERSAL” ARMATURE PLATE FOR FIRE DOORS Armature plate base for fixing the holding Armature plate on fire doors without drilling supplementary holes Dimensions (mm): 175 x 32 x 3 Use: for all electromagnets 130, 131, 136, 137, 140 (See drawing at page 39)</p>	
	<p>03004</p> <p>“UNIVERSAL” ARMATURE PLATE BASE FOR SAFETY AND FIRE DOORS Armature plate base in stainless steel for fixing the holding Armature plate on fire doors without using through bolt screws on the outside of the door Dimensions (mm): 200 x 65 x 16 Use: for all electromagnets 130,131,136,137,140 (See drawing at page 39)</p>	
	<p>03004A</p> <p>“UNIVERSAL” ARMATURE PLATE BASE FOR SAFETY DOORS Armature plate base in silver anodized aluminium for fixing the holding Armature plate on fire doors without using through bolt screws on the outside of the door Dimensions (mm): 200 x 55 x 15 Use: for all electromagnets 13600,13700 e 13700TD (See drawing at page 39)</p>	
	<p>03005</p> <p>SHORT CASING COVER In black varnished steel for covering only the “L” bracket Art. 03000, 03002 Dimensions (mm): 271 x 41 x 79 - see drawing at page 38 Use: for all electromagnets 130, 131 (See drawing at page 40)</p>	
	<p>03006</p> <p>LONG CASING COVER In black varnished steel for covering the “L” bracket Art. 03000, 03002 and the electromagnets Dimensions (mm): 271 x 113 x 79 Use: for all electromagnets 130, 131 (See drawing at page 40)</p>	



ACCESSORIES FOR ELECTROMAGNETS SAFETY SERIES

Art.	Description	
	03007 “GLASS” ARMATURE PLATE MOUNTING BRACKET For 12 mm. thick doors. Dimensions (mm): 190 x 56 x 22 Use: for fixing of the Armature plate for electromagnets series 136 and 137 on glass doors (See drawing at page 40))	
	03500 03500N “L” MOUNTING BRACKET <u>In SILVER anodized aluminium</u> <u>In BLACK anodized aluminium</u> Dimensions (mm): 170 x 28 x 36 Use: for mounting of electromagnets, series 127 on “push” doors from inside with emergency type exits (See drawing at page 39)	
	03501 03501N “Z” MOUNTING BRACKET <u>In SILVER anodized aluminium</u> <u>In BLACK anodized aluminium</u> Dimensions (mm): 180 x 88 x 39-48 - see drawing at page 37 Use: for mounting of electromagnets, series 127 on “pull” doors from inside. Kit is made up of 2 pieces Note: article made up of 2 pieces only for fixing of the Armature plate. For fixing of the electromagnet, the “L” bracket must be added - Ref. 03500.	
	03600 03600N “L” MOUNTING BRACKET <u>In SILVER anodized aluminium</u> <u>In BLACK anodized aluminium</u> Dimensions (mm): 200 x 41 x 27 Use: for mounting of electromagnets, series 128 on “push” doors from inside with emergency type exits (See drawing at page 39)	
	03601 03601N “Z” MOUNTING BRACKET <u>In SILVER anodized aluminium</u> <u>In BLACK anodized aluminium</u> Dimensions (mm): 180 x 88 x 39 Use: for mounting of electromagnets, series 128 on “pull” doors from inside. Kit is made up of 3 pieces (See drawing at page 39) Note: article made up of 2 pieces only for fixing of the armature plate and 1 L bracket for the fixing of the magnet	
	03700 03700N “L” MOUNTING BRACKET <u>In SILVER anodized aluminium</u> <u>In BLACK anodized aluminium</u> Dimensions (mm): 250 x 30 x 48 Use: for mounting of electromagnets, series 136,137 on “push” doors from inside with emergency type exits (See drawing at page 39)	
	03701 03701N “Z” MOUNTING BRACKET <u>In SILVER anodized aluminium</u> <u>In BLACK anodized aluminium</u> Dimensions (mm): 250 x 30 x 48 mm. (L bracket) 220 x 113 x 55 - 77 mm. (Z bracket) Use: for mounting of electromagnets, series 136,137 on “pull” doors from inside. Kit is made up of 3 pieces. (See drawing at page 39)	
	03705 SHORT CASING COVER In black varnished steel for covering only the “L” bracket Art. 03700 Dimensions (mm): 254 x 32 x 51 Use: for all electromagnets 136 and 137 (See drawing at page 40)	



Art.	Description	
	03706 LONG CASING COVER In black varnished steel for covering the "L" bracket Art. 03700 and the electromagnets Dimensions (mm): 254 x 81 x 51 Use: for all electromagnets 136 and 137 (See drawing at page 40)	
	03707 03707N "L" BRACKET WITH CASING COVER <u>In SILVER anodized aluminium</u> <u>In BLACK anodized aluminium</u> Dimensions (mm): 247 x 48 x 30 Use: for mounting of electromagnets, series 136, 137 on "push" doors from inside with emergency type exits complete with casing cover (See drawing at page 40)	
	03707L 03707LN "L" BRACKET WITH CASING COVER <u>In SILVER anodized aluminium</u> <u>In BLACK anodized aluminium</u> Dimensions (mm): 262 x 48 x 30 Use: for mounting of electromagnets, series 13700TDL on "push" doors from inside with emergency type exits complete with casing cover (See drawing at page 40)	
	03708 03708N "Z" BRACKET WITH CASING COVER <u>In SILVER anodized aluminium</u> <u>In BLACK anodized aluminium</u> Dimensions (mm): 250 x 97 x 48 - 70 mm - see drawing page 38 Use: for mounting of Armature plate for electromagnets, series 136, 137 on "pull" doors from inside complete with casing cover (See drawing at page 40) Note: article made up of 2 pieces only for fixing of the Armature plate. For fixing of the electromagnet, the "L" bracket must be added - Ref. 03700	
	03708L 03708LN "Z" BRACKET WITH CASING COVER <u>In SILVER anodized aluminium</u> <u>In BLACK anodized aluminium</u> Dimensions (mm): 262 x 104 x 48 - 70 mm. Use: for mounting of Armature plate for electromagnets, series 13700TDL on "pull" doors from inside complete with casing cover Note: article made up of 3 pieces only (See drawing at page 40)	
	03709 03709N SHEAR LOCK CASING FOR ELECTROMAGNET <u>In alluminio anodizzato argento</u> <u>In alluminio anodizzato nero</u> Dimensions (mm): 352 x 50 x 45 Use: for surface mounting of the electromagnets Shear-Lock on solid or pre-existing doors (See drawing at page 40) Packaging: 1 Carter for fixing of the electromagnet or the Armature plate and mounting accessories	
	03710 03710N MICRO SHEAR LOCK CASING FOR ELECTROMAGNET <u>In SILVER anodized aluminium</u> <u>In BLACK anodized aluminium</u> Dimensions (mm): 183 x 49 x 36 Use: for surface mounting of the electromagnets Micro Shear-Lock for rim type application (See drawing at page 40) Packaging: 1 Carter for fixing of the electromagnet or the Armature plate and mounting accessories	



ACCESSORIES FOR ELECTROMAGNETS SAFETY SERIES

Art.

Description



01127
01130
01134
01137
01137L

ARMATURE PLATES FOR ELECTROMAGNETS (SPARES)

For electromagnets series 125, 127, 128
 For electromagnets series 130, 131, 132, 140
 For electromagnets series 134
 For electromagnets series 135, 136, 137
 For electromagnets series 13700TDL

**00142****CONDUIT CONNECTOR FITTING - IP65**

Conduit connector fitting - this connector is used to terminate flexible metal conduit to knockout in dry location
 For electromagnets series 14212R and 14222R
 Supplied with metal sheath black coloured 1Mt long



00147
00147N

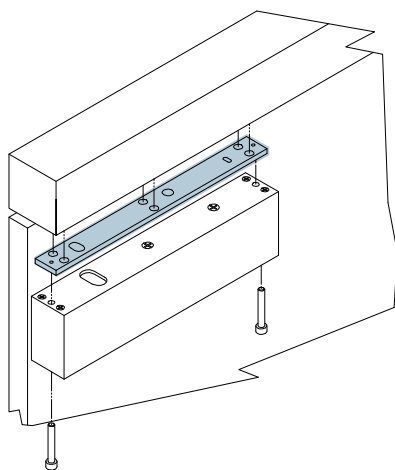
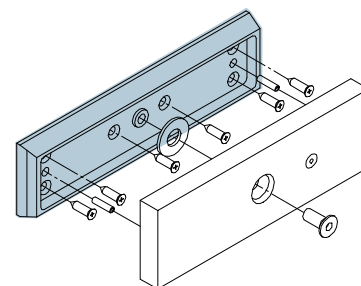
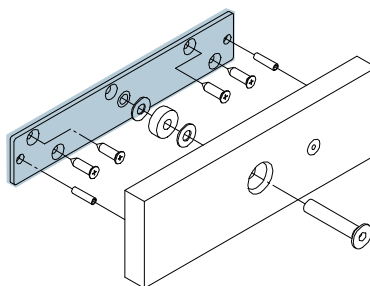
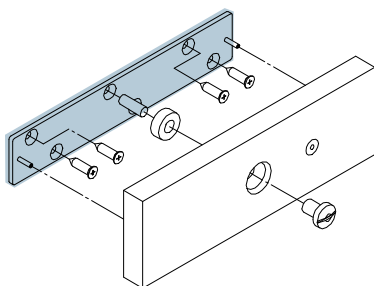
UNDERPLATE FOR ELECTROMAGNET REF. 14700TD

2 mm thick stainless steel underplate for the compensation of the alignment between the electromagnet and counterplate mounted on doors that are not coplanar
 Dimensions (mm): 323 x 48 x 2
Stainless steel finish
Black steel finish

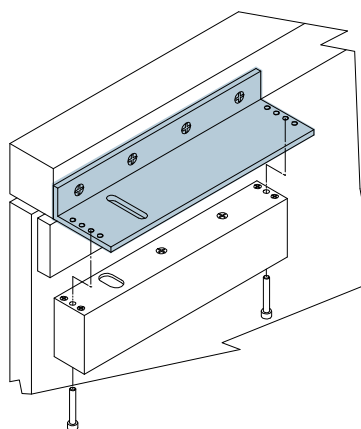
Base Art. 03003

Base Art. 03004

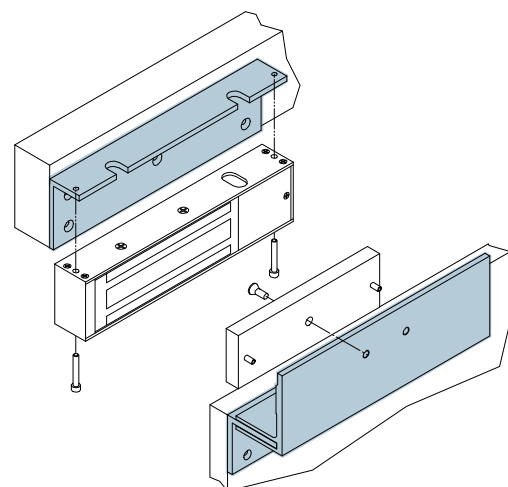
Base Art. 03004A



Bracket provided



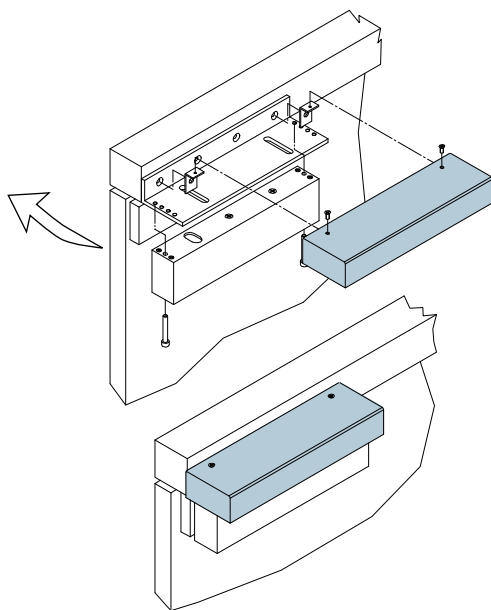
"L" shape bracket
 item code 03002



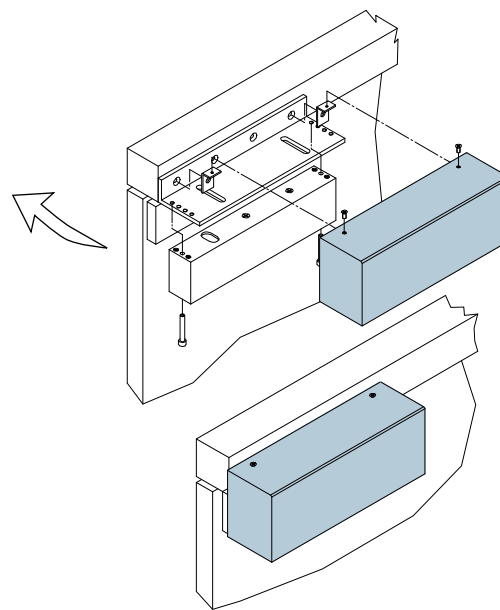
"Z" shape bracket



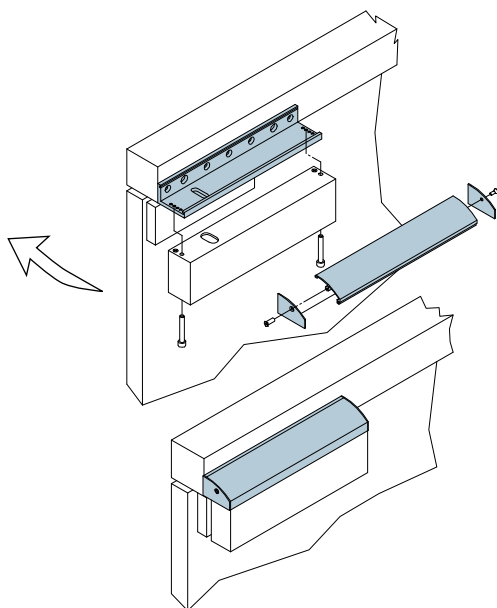
Short cover



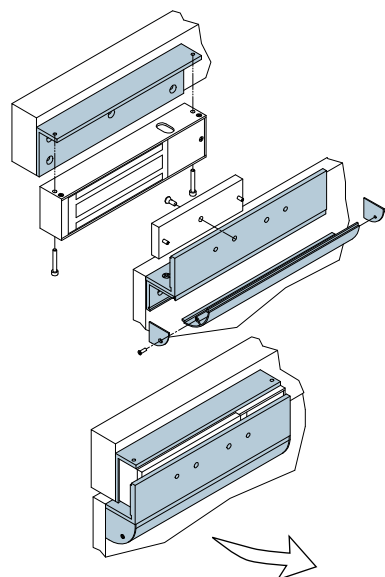
Long cover



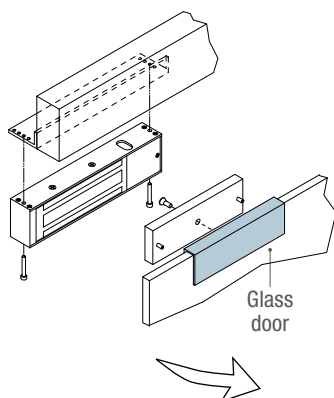
"L" shape bracket with cover



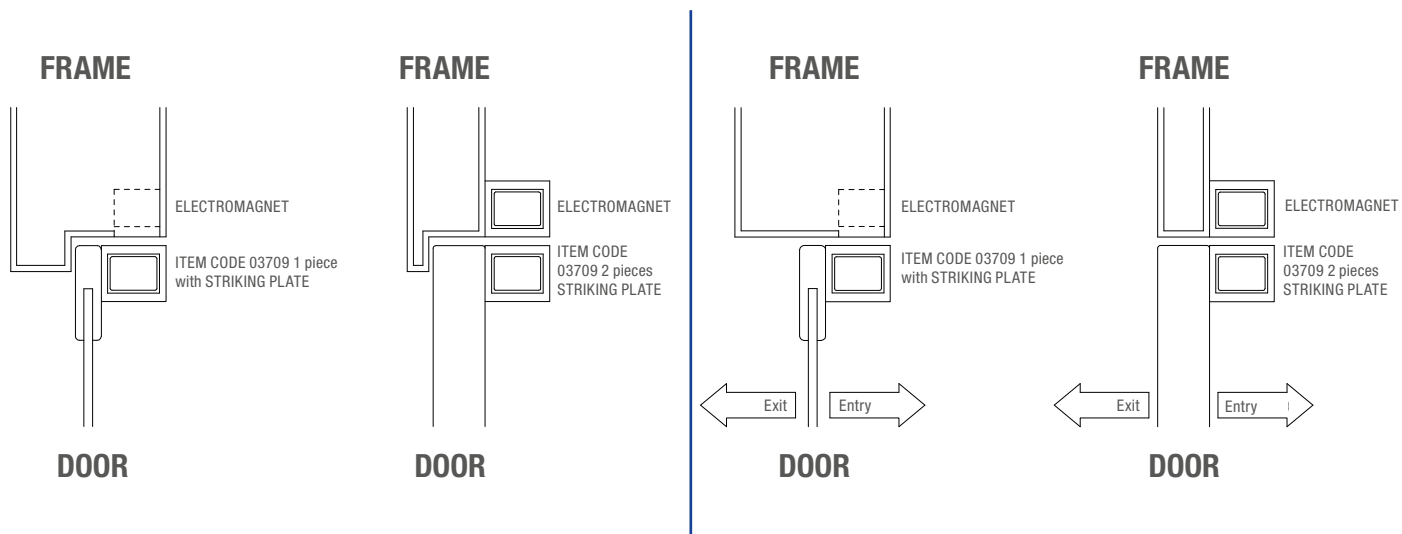
"Z" shape bracket with cover



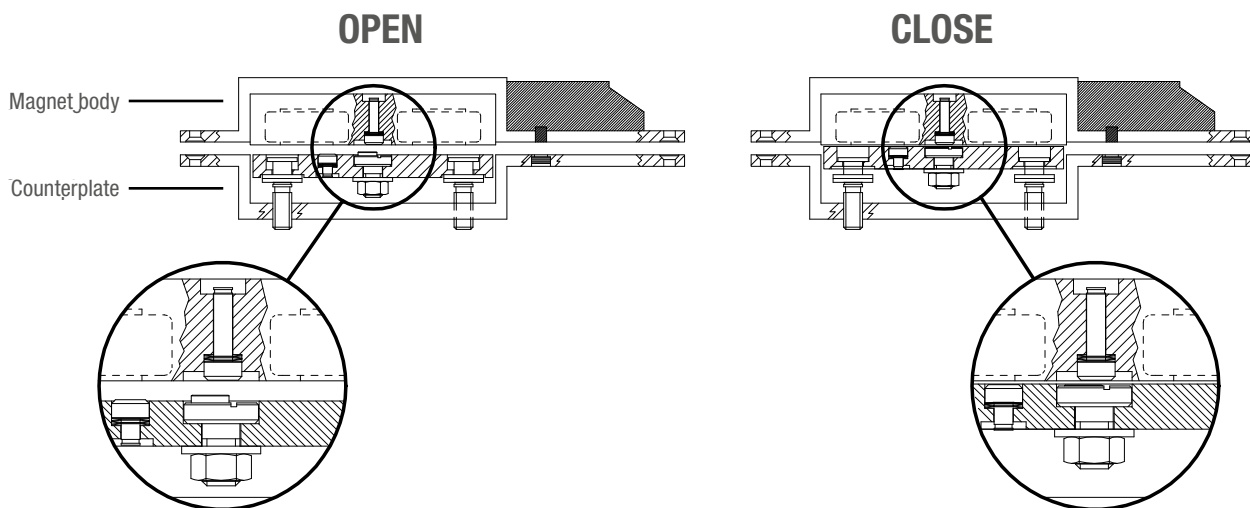
"U" shape bracket



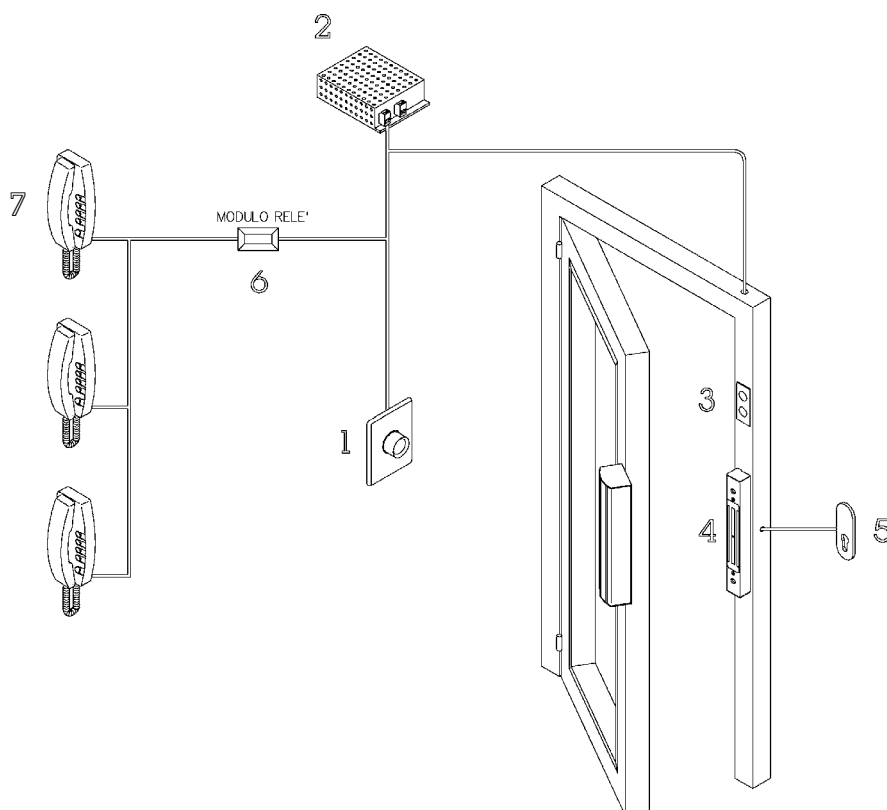
COVER CARTER SHEAR-LOCK



HOW SHEAR-LOCK WORKS



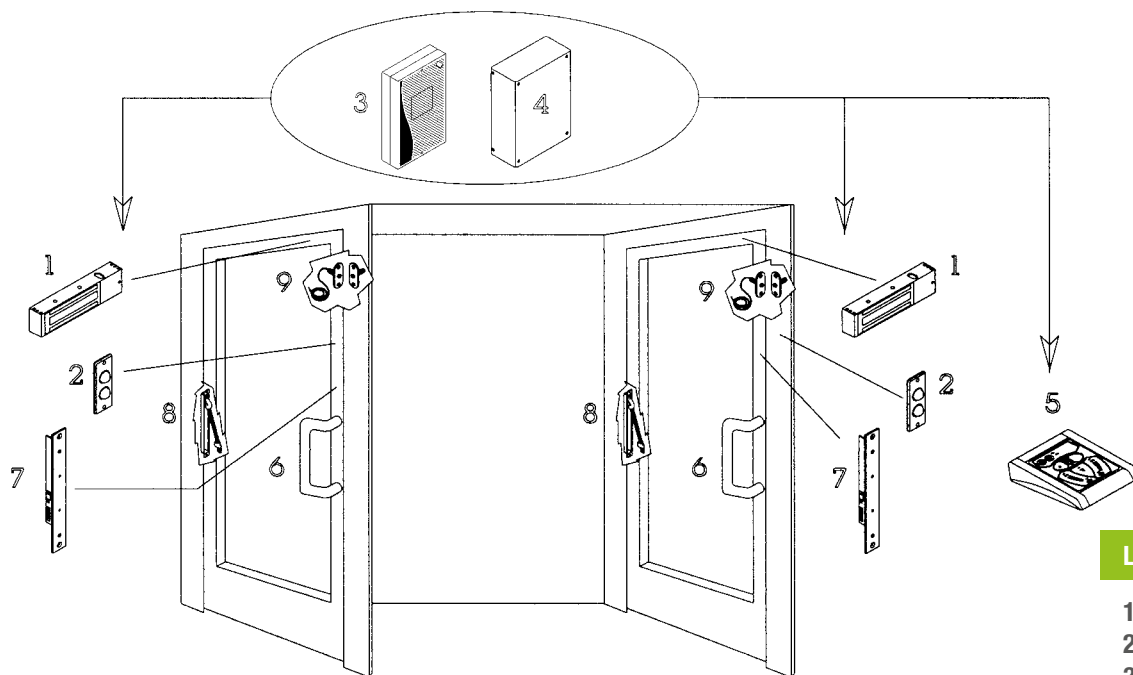
ENTRANCE DOOR SYSTEM WITH SAFETY RANGE ELECTROMAGNET 147



LEGENDA

- 1 Push button
- 2 Power supply
- 3 Indicator lamp
- 4 Electromagnet
- 5 Key selector
- 6 Relay module
- 7 Interphone system




INTERLOCKING DOORS SYSTEM WITH SAFETY RANGE ELECTROMAGNETS



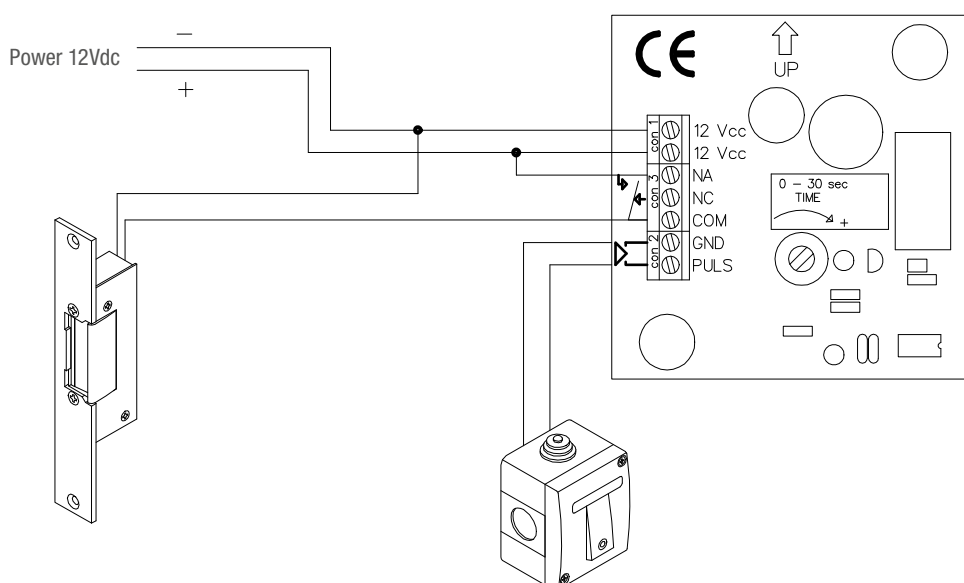
LEGENDA

- 1 Electromagnets
- 2 Indicator lamps
- 3 Electronic Unit
- 4 Power supply
- 5 Command console
- 6 Sensitive bars
- 7 Sensitive cards
- 8 Lead Covers
- 9 Magnetic sensors



Art.	Description
 <p>51300</p>	<p>RELOCKING DELAY MODULE</p> <p>Electronic board for management of relocking delay for all safety electromagnets</p> <p>Dimensions (mm): 60 x 28 x 17</p> <p>Operating voltage: 12 / 24 Vdc</p> <p>Relock time adjustable from 1 - 40 seconds</p> <p>Use: board which can also be inserted inside electromagnets Art. 13000, 13100, 14000</p> <p>Can be connected externally to the other electromagnet articles not already timed</p>
 <p>51400</p>	<p>OPENING DELAY MODULE</p> <p>Electronic board for management of the opening delay for the emergency exits equipped with safety electromagnets</p> <p>Dimensions (mm): 57 x 42 x 17</p> <p>Operating voltage: 12 / 24 Vdc</p> <p>Relock time adjustable from 0 - 15 seconds</p> <p>N.O. input for begin delay contact</p> <p>N.O. input for timer reset</p> <p>12 Vdc output for alarm buzzer</p> <p>Use: board which can also be inserted inside electromagnets Art. 13000, 13100, 14000</p> <p>Can be connected externally to the other electromagnet articles</p>
 <p>51500</p>	<p>RELOCKING DELAY RELAY MODULE</p> <p>Electronic board for timed management of electric lock activation</p> <p>Dimensions (mm): 61 x 61 x 12</p> <p>Operating voltage: 12 Vdc / 10 mA at rest - 60 mA with relay active</p> <p>Relock time adjustable from 0 - 30 seconds</p> <p>N.O. input for relay activation contact</p> <p>Relay output with C./N.O./N.C. dry contact</p> <p>Use: board which can also be inserted inside activation button Art. 05115 (see page 64)</p>

APPLICATIONS EXAMPLES ART. 51500



Art.	Description
55001	<p>MANAGEMENT ELECTRONICS “EXIT SYSTEM”</p> <p>Electronic board for management and control of opening emergency exits equipped with electromagnets in the Safety series.</p> <p>Wall mount container in grey, inspectable ABS, complete with 230 / 12 Vac transformer</p> <p>Dimensions (mm): 300 x 225 x 130</p> <p>Board power: 12 Vac/dc</p> <p>Built-in backup battery charger circuit</p> <p>Adjustable timer for:</p> <ul style="list-style-type: none"> Opening request only alarmed or delayed from 5 to 60 seconds - Delayed alarm opening from the outside from 10 to 120 Seconds (can be enabled) - Manual opening management with relocking from 0 to 5 seconds upon approach of the door and from 0 to 60 seconds if the door is not opened - Alarm for prolonged opening of the door from 10 to 120 seconds (can be enabled) <p>Inputs with N.O. contact for:</p> <ul style="list-style-type: none"> - Immediate opening - Opening from key switch with delayed alarm - Delayed opening or request for opening with alarm - Emergency - Block - Reset <p>Outputs with N.O. relay contact for:</p> <ul style="list-style-type: none"> - Electromagnetic blocked/unblocked status (double switching) - Opening request alarm or delayed opening - Prolonged door opening alarm - Emergency opening alarm - Delayed alarm for opening from the outside - System Fault Alarm - Starting of system <p>Door position open/closed (Open Collector)</p> <p>On request: backup battery Art. 00712 (page 197)</p>



54611A
54612A

CONTROL CONSOLE “CONTROL SYSTEM”

Aluminium console box in black with silk screened polycarbonate panel

Membrane button with touch effect

Dimensions (mm): 195 x 160 x 50

Operating voltage: 12/24 Vac/Vdc

Connections via screw terminal block

ON/OFF key switch for turning off system via external relay (i.e. Art. REL12V)

N.O. input for signalling electromagnet status (blocked / unblocked)

N.O. input for signalling door status

N.O. / + 12 Vdc Input for alarm activation

N.O. Output for door opening command

N.O. Output for reset command

N.O. Output for block command

N.O. Output for emergency command

Optical signalling via LED:

- Red / Green magnet status (blocked / unblocked)
- Red / Green for indication of door Open / Closed
- Red for Alarm, Reset, Emergency, Block, Power

Internal buzzer for acoustic signalling of the pressing of buttons, for signalling of active alarms and low battery

Note: complete characteristics of the console page 130

For 1 door

For 2 doors

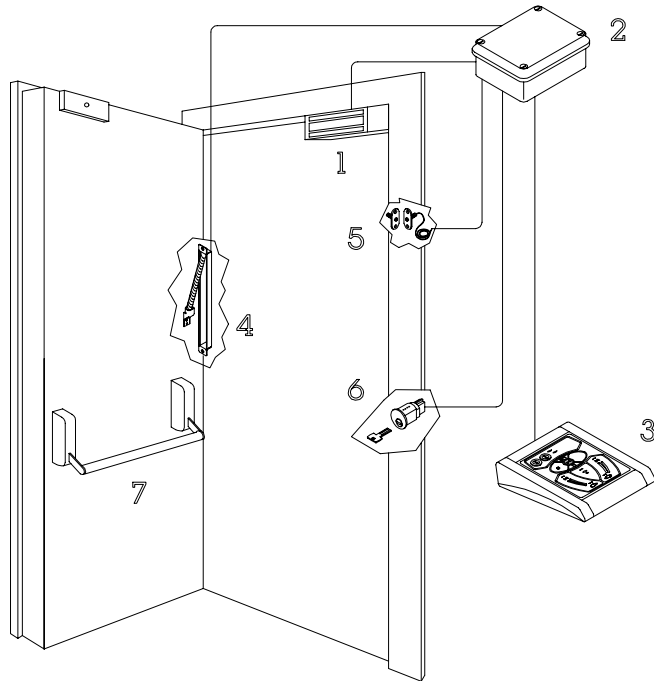
Use: universal console for Art. 51400 or 55001



CONTROL SYSTEM FOR EMERGENCY EXIT SYSTEM ALARM SYSTEM

Art.	Description	
<div data-bbox="421 300 489 327">55003</div> <div data-bbox="76 479 536 815">  </div> <div data-bbox="76 904 536 1218">  </div>	<p>ELECTROMAGNET WITH “EXIT SYSTEM” INTEGRATED MANAGEMENT ELECTRONICS</p> <p>Version: to apply</p> <p>Casing made of brushed stainless steel Casing dimensions: 280 x 158 x 115 mm Nickel-plated steel fixing bracket</p> <p>Electronic board for the management and opening control of the emergency exits equipped with Safety series electromagnets. Maxi series internal electromagnet made of silver anodized aluminum Restraint counterplate to be fixed on the door with anti-residual magnetism pin: 185 x 60 x 16 mm Traction force: up to 600 kg. Power supply: 12V ac/dc Hall effect electromagnet status sensor Optical signaling of the status (standby/alarm) through red - green jumbo LED Acoustic signal of the alarm status by buzzer Internal relay on the status of the blocked/unblocked electromagnet with C. - N.A. - N.C. contacts Rechargeable plug battery 12 Vdc / 2.2 A Electronic board for the management and opening control of the emergency exit</p> <p>Adjustable timing for:</p> <ul style="list-style-type: none"> - Opening request delayed from 5 to 60 sec with alarm - Opening alarm from outside delayed from 10 to 120 sec - Manual opening management with reclosing from 0 to 5 sec. with approach of door and from 0 to 60 sec. if the door is not opened - Door opening prolonged alarm from 10 to 120 sec. <p>Inputs with N.O. contact for:</p> <ul style="list-style-type: none"> - Immediate opening - Immediate opening by mechanical key switch from outside, with delayed alarm - Delayed opening or request of opening with alarm - Emergency - System block - Alarm reset <p>Outputs with N.O contact for:</p> <ul style="list-style-type: none"> - Electromagnet status (double switching) - Alarm, Opening request time delay - Alarm, Prolonged door opening - Alarm, Emergency - Alarm, Opening from outside - Alarm, System fault - Starting of system - Door position contact (Open Collector) 	

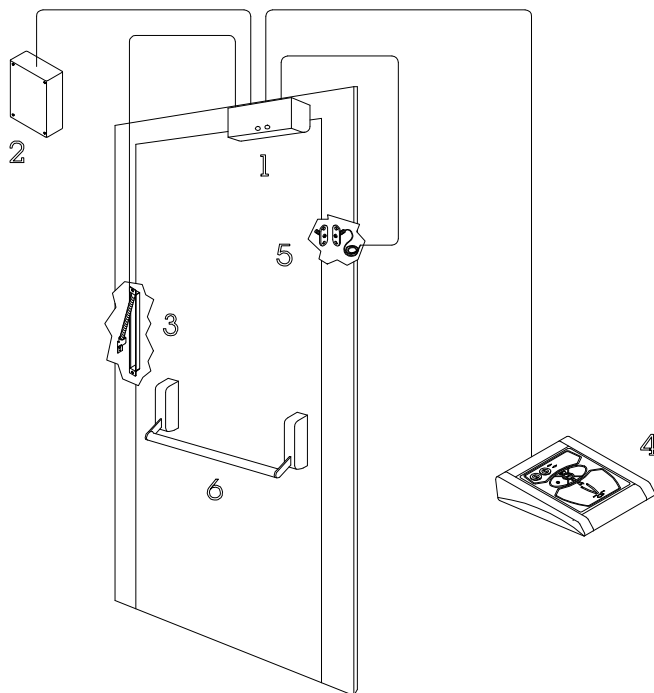
SINGLE DOOR SYSTEM WITH SAFETY RANGE ELECTROMAGNETS



LEGENDA

- 1 Electromagnet
- 2 Exit System Electronics
- 3 Console
- 4 Concealed lead cover
- 5 Magnetic sensor
- 6 Key switch
- 7 Panic bar with micro switch

EMERGENCY EXIT WITH SAFETY ELECTROMAGNET



LEGENDA

- 1 Electromagnet with Exit System electronics
- 2 Power supply
- 3 Concealed lead cover
- 4 Console
- 5 Magnetic sensor
- 6 Panic bar with micro switch



SELF MANAGED ALARM SISTEM FOR CONTROLLED EMERGENCY EXITS ALARM SYSTEM SERIES

Art.
Description
55005

SELF-MANAGED ALARM "ALARM SYSTEM"

Alarm system for opening control of emergency exits equipped with only a mechanical lock or panic bar.

Wall mount container in beige ABS

Dimensions (mm): 240 x 150 x 48

Board power: 12 Vac/dc

Built-in backup battery charger circuit

Alarm signalling via lamp and intermittent buzzer

Use: alarm system for emergency exits

Adjustable timer for:

- Alarm interval before self-reset (adjustable from 5 to 60 seconds)
- Turning off of the reset alarm with fixed time of 5 seconds
- Alarm for prolonged opening of the leaf from 5 to 120 seconds

Inputs with N.O. contact for:

- Immediate authorised opening (without alarm)
- Door sensor
- Reset

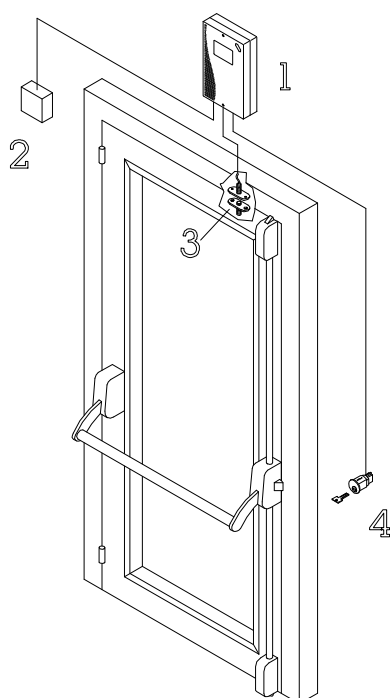
Outputs with N.O. relay contact for:

- Unauthorised opening alarm
- Prolonged door opening alarm
- Starting of system

Description of operation:

the central unit allows surveillance of passages through emergency exits. Personnel authorised to pass, activating a dry contact with a badge, keypad, key switch, etc... can open the door without activating the alarm. If the door is reclosed within the set time, no alarm is activated. If the door must remain open beyond the door "Prolonged Opening" time, the specific alarm is activated which deactivates automatically upon relocking of the door or by pressing the reset button.

On the contrary, if the door is opened without authorisation, the "Opening" alarm is activated immediately and remains active for the pre-established interval, after which an auto-reset is automatically performed which deactivates the alarm for 5 seconds. At this point, if the door has been reclosed, the system goes back into stand-by. Otherwise, if the door remains open, the alarm status will reactivate. The reset can also be performed by remote button.



LEGENDA

- 1 Single zone fire alarm panel
- 2 Power transformer or power supply
- 3 Magnetic sensor
- 1 Key switch





FIRE CONTROL

- ▶ FIRE HOLD OPEN MAGNETS
- ▶ HYDRAULIC DAMPERS FOR SLIDING DOORS
- ▶ HYDRAULIC IMPACT SHOCK ABSORBERS
- ▶ SINGLE ZONE FIRE CONTROLLER
- ▶ FIRE AND SMOKE DETECTORS



FIRE CONTROL

www.opera-italy.com



AVAILABLE COLOURS



Black Abs

Grey Abs

Silver aluminium

Gold aluminium

Black aluminium

PLUS

- ▶ Strong steel fixing base
- ▶ Steel striking plate
- ▶ Abs box, anodized aluminium or steel
- ▶ CE-EN1155 certification at the upper level
- ▶ 12 - 24 - 48V operating voltage



Certificato EN1155



FIRE DOOR EXAMPLE

- ▶ Version for wall or floor fixing
- ▶ Fixed or swinging striking plates
- ▶ Abs, anodized aluminium or steel box
- ▶ CE-EN1155 certification at the upper level
- ▶ 12 - 24 - 48V operating voltage



Art.

Description



01620
01620I

HOLD OPEN ELECTROMAGNET

Electromagnetic body with rear M8 fixing hole
Electromagnet dimensions: diameter (mm) 50 x 30
Operating voltage: 24 Vdc - Absorbed current: 70 mA
Holding force: > 55 Kg. with electromagnet coupled with its Armature plate
- (upon request reduced force to 20 Kg. See variant at page 58) -

Electromagnet only

Electromagnet complete with Armature plate 55mm diameter

Use: door holding electromagnet for swing or sliding counterweighted doors



01630
01630I

HOLD OPEN ELECTROMAGNET

Electromagnet body with fixing plate
Fixing plate dimensions (mm): 65 x 65 x 3
Electromagnet dimensions: diameter (mm) 50 x 39
Operating voltage: 24 Vdc - Absorbed current: 70 mA
Holding force: > 55 Kg. with electromagnet coupled with its Armature plate - (upon request reduced force to 20 Kg. See variant at page 58)

Spring for anti-residual magnetism on the electromagnet body

Electromagnet only

Electromagnet body with fix Armature plate item 01800Z

Use: door holding electromagnet for swing or sliding counterweighted doors



01820
01820I

HOLD OPEN ELECTROMAGNET

Electromagnet body with rear M8 fixing hole
Electromagnet dimensions: diameter (mm) 70 x 38
Operating voltage: 24 Vdc - Absorbed current: 70 mA
Holding force: > 140 Kg.
(with electromagnet coupled with its Armature plate)

Electromagnet only

Electromagnet complete of armature plate 70 mm diameter

Use: door holding electromagnet for swing or sliding counterweighted doors



01830
01830I

HOLD OPEN ELECTROMAGNET

Electromagnet body with fixing plate
Fixing plate dimensions (mm): 65 x 65 x 3
Electromagnet dimensions: diameter (mm) 70 x 38
Operating voltage: 24 Vdc -
Absorbed current: 70 mA
Holding force: > 140 Kg.

Spring for anti-residual magnetism on the electromagnet body

Electromagnet only

Electromagnet complete of armature plate 70mm diameter

Use: door holding electromagnet for swing or sliding counterweighted doors



17003A

HOLD OPEN ELECTROMAGNET

Version: **wall mount**

Cylindrical body on painted aluminium base Magnet with resin coated coil
Base and Armature plate dimensions (mm): 90 x 90 x 6
Magnet dimensions: diameter (mm) 80 x 47 h.
Armature plate dimensions: diameter (mm) 80 x 22 h.
Operating voltage: 24 Vdc - Absorbed current: 250 mA
Holding force: 180 Kg.

Residual anti-magnetism pin on the Armature plate

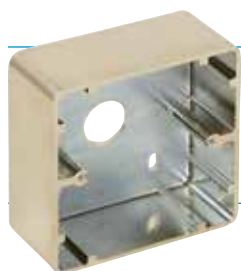
Provided with Armature plate fixed on galvanized steel base

Use: door holding electromagnet for swing or sliding counterweighted doors



HOLD OPEN ELECTROMAGNETS FOR FIRE DOORS FIRE CONTROL SERIES

Art.	Description
18003	HOLD OPEN ELECTROMAGNET Version: flush wall mount Front plate in stainless steel Front dimensions (mm): 85 x 85 x 2 Electromagnet dimensions: diameter (mm) 50 x depth 35 Operating voltage: 24 Vdc - Absorbed current: 70 mA Holding force: > 55 Kg. (on request reduced force to 20 Kg. - LF version, see page 58) Residual anti-magnetism pin on the electromagnet body Screw connection connector with anti-disturb varistor Provided without Armature plate (to be ordered separately - see page 56) With push button release Compliance: UNI EN 1155 Use: door holding electromagnet for swing fire doors
01780	BOX FOR FLUSH MOUNT ELECTROMAG Body: in silver coloured aluminium Dimensions (mm): 85.5 x 85.5 x 38.5 mm. Use: box for flush or application mount for electromagnet item 18003
18005 18005B	HOLD OPEN ELECTROMAGNET Version: floor mount Body in black or white painted steel - see dimensions at page 54 Operating voltage: 24 Vdc - Absorbed current: 70 mA Holding force: > 55 Kg. (on request reduced force to 20 Kg. - LF version, see page 58) Residual anti-magnetism pin on the electromagnet body Screw connection connector with anti-disturb varistor Provided without Armature plate (to be ordered separately - see page 56) With push button release <u>Body in black painted finish</u> <u>Body in white painted finish</u> Compliance: UNI EN 1155 Use: door holding electromagnet for swing fire doors
19000 19000GC 19001 19001GC Art + R Art + DV	HOLD OPEN ELECTROMAGNET Version: Wall mount Body in ABS with galvanized steel base Nickel plated magnet block See dimension at the bottom of the page Operating voltage: 24 Vdc - Absorbed current: 70 mA Fixed Holding force: > 55 Kg. (on request reduced force to 20 Kg. - LF version, see page 56) Residual anti-magnetism pin on the electromagnet body Connector with anti-disturb varistor Provided without Armature plate (to be ordered separately - see page 54) Without push button release <u>Body in black colour ABS</u> <u>Body in grey colour RAL 7035 ABS</u> With push button release <u>Body in black colour ABS</u> <u>Body in grey colour RAL 7035 ABS</u> <u>Holding force adjustable from 10-50 Kg.- (i.e. 19001R)</u> <u>Dual voltage - automatic voltage selection 24/48Vdc and manual selection of the desired holding force 20/55Kg</u> Compliance: UNI EN 1155 Use: door holding electromagnet for swing fire doors





Art.

Description

HOLD OPEN ELECTROMAGNETVersion: **Wall mount**

Body in anodized aluminium with base in galvanized steel

Nickel plated magnet block

See dimensions at the bottom of the page

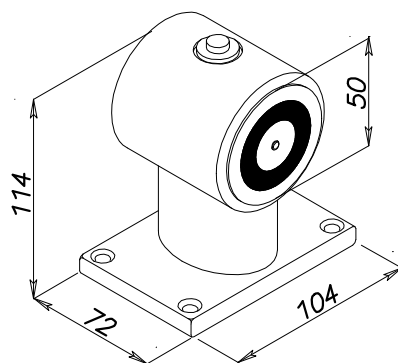
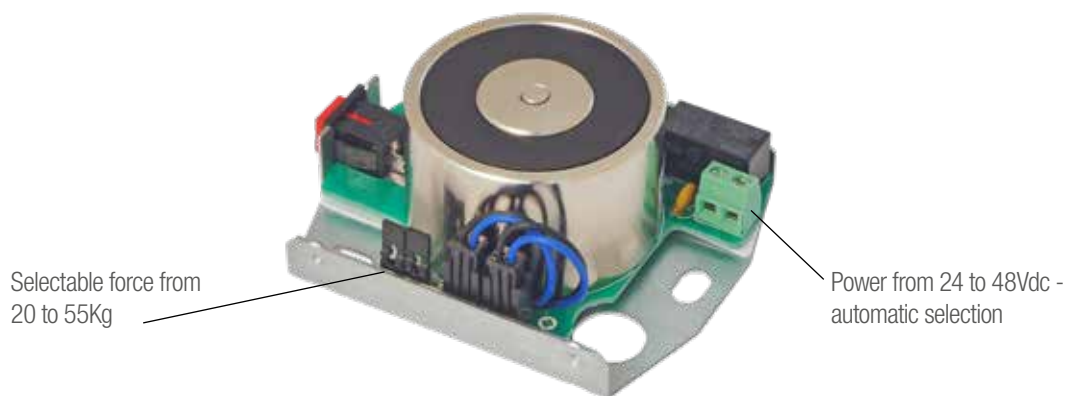
Operating voltage: 24 Vdc - Absorbed current: 70 mA

Fixed Holding force: > 55 Kg. (on request reduced force to 20 Kg. - LF version, see page 58)

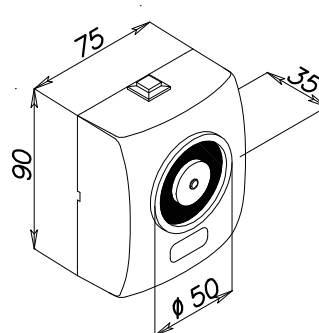
Residual anti-magnetism pin on the electromagnet body

Connector with anti-disturb varistor

Provided without Armature plate (to be ordered separately - see page 56)

With push button release**19002**Body in silver colour anodized aluminium**19002N**Body in black colour anodized aluminium**19002GD**Body in gold colour anodized aluminium**Art + R**Holding force adjustable from 10-50 Kg. - (i.e. 19002R)**Art + DV**Dual voltage - automatic voltage selection 24/48Vdc and manual selection of the desired holding force 20/55Kg**Note:** on request without push button release**Compliance:** UNI EN 1155**Use:** hold open electromagnet for swing fire doors**DUAL VOLTAGE VERSION - DV**

Series 18005



Series 190



HOLD OPEN ELECTROMAGNETS FOR FIRE DOORS FIRE CONTROL SERIES

Art.	Description
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18100

HOLD OPEN ELECTROMAGNET

Version: **Wall mount**

Box in black painted steel

See dimensions at the bottom of the page

Operating voltage: 24 Vdc / Absorbed current: 70 mA

Holding force: > 140 Kg.

Residual anti-magnetism pin on the electromagnet body

Connector with anti-disturb varistor

Provided without Armature plate (to be ordered separately - see page 56)

Without push button release**Compliance:** UNI EN 1155**Use:** door holding electromagnet for swing fire doors

18101

HOLD OPEN ELECTROMAGNET

Version: **Wall mount**

Box in black painted steel

See dimensions at the bottom of the page

Operating voltage: 24 Vdc / Absorbed current: 70 mA

Holding force: > 140 Kg.

Residual anti-magnetism pin on the electromagnet body

Connector with anti-disturb varistor

Provided without Armature plate (to be ordered separately - see page 56)

With push button release**Compliance:** UNI EN 1155**Use:** hold open electromagnet for swing fire doors

HOLD OPEN ELECTROMAGNET

Steel base

Magnet base and Armature plate dimensions (mm): 65 x 65 x 3

See dimensions at the bottom of the page

Diameter mm 70 x 41 (ref. 18104)

Operating voltage: 24 Vdc - Absorbed current: 70 mA

Holding force: > 140 Kg.

Residual anti-magnetism pin on the electromagnet body

Connector with anti-disturb varistor

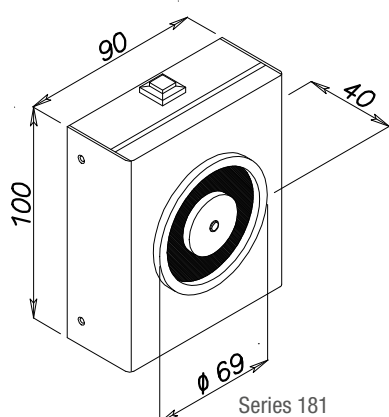
Holding force: 55KgHolding force: 140Kg

Provided without Armature plate (to be ordered separately - see page 56)

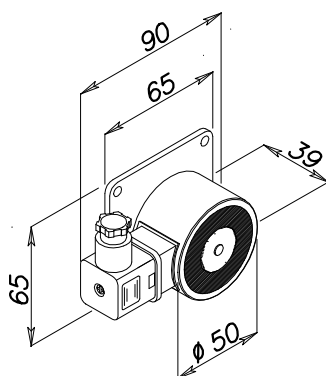
Compliance: UNI EN 1155**Use:** door holding electromagnet for swing or sliding counterweighted fire doors

18004

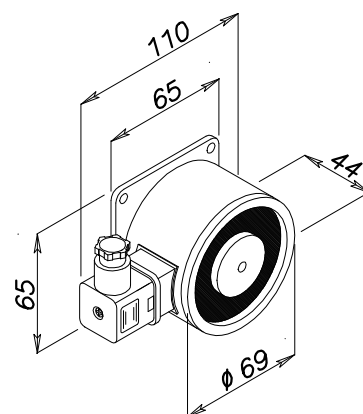
18104



Series 181



Series 18004

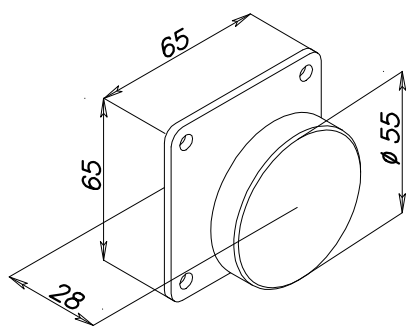


Series 18104

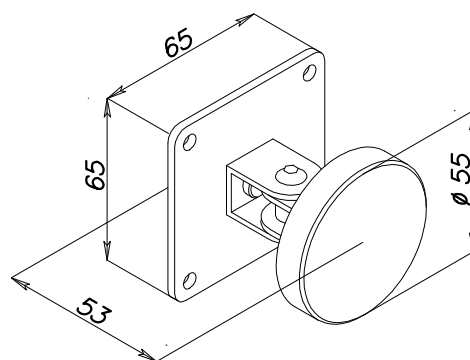


	Art.	Description	
	01800Z	FIXED ARMATURE PLATE Fixed Armature plate for electromagnets series 190 Base in galvanized steel See dimensions at page 57 Armature plate diameter (mm): 55	
	01805Z	SWINGING ARMATURE Swinging Armature plate for electromagnets series 190 Base in galvanized steel See dimensions at page 57 Armature plate diameter (mm): 55	
	01810Z	FIXED ARMATURE PLATE Fixed Armature plate for electromagnets series 181 Base in galvanized steel See dimensions at page 57 Armature plate diameter (mm): 70	
	01815Z	SWINGING ARMATURE Swinging Armature plate for electromagnets series 181 Base in galvanized steel See dimensions at page 57 Armature plate diameter (mm): 70	
	01740F 01740BF	NON ADJUSTABLE MOUNTING SUPPORT FOR ELECTROMAGNET Bracket not extendable Body in painted steel Bracket (square mm) 35 x 35 for horizontal fixing to wall or vertical to floor of the fire door electromagnets Plate for fixing of the electromagnets adjustable to 180° See dimensions at page 57 <u>Black painted steel</u> <u>White painted steel (Ral 9010)</u>	
	01740 01740B 01740M	TELESCOPIC "WALL" OR "FLOOR" MOUNTING SUPPORT FOR ELECTROMAGNET Extendable bracket (square mm) 40 x 40 for horizontal fixing to wall or vertical to floor of the fire door electromagnets Body in black painted steel Plate for fixing of the electromagnets adjustable to 180° Overall dimension <u>Black colour - length (mm) 140 (adjustable up to 220 mm.)</u> <u>White colour - length (mm) 140 (adjustable up to 220 mm.)</u> <u>Black colour - length (mm) 218 (adjustable up to 360 mm.)</u>	
	05115	RELEASE/RESET PUSH BUTTON Box in grey colour plastic material for wall mount Dimensions (mm): 81 x 67 x 55 N.O. / N.C. push button contact Use: push button for remote release of the retainer electromagnets or for silencing reset of the fire control panel Art. 52002	

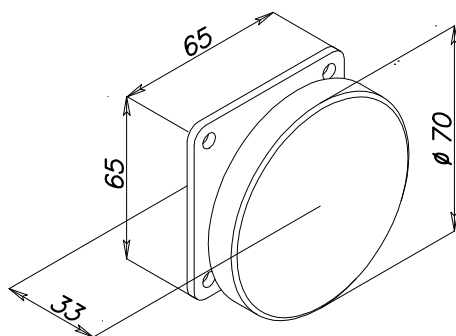
SWINGING PLATES AND BRACKETS DRAWINGS



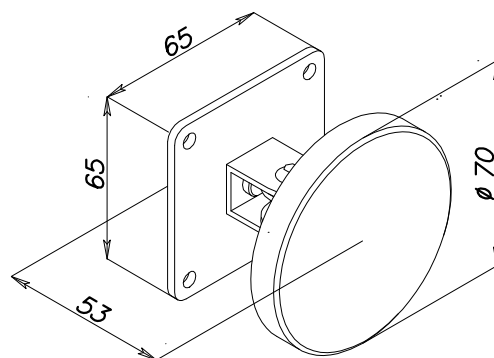
01800Z



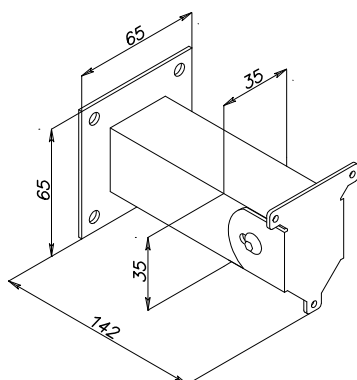
01805Z



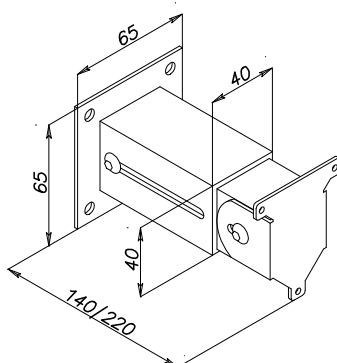
01810Z



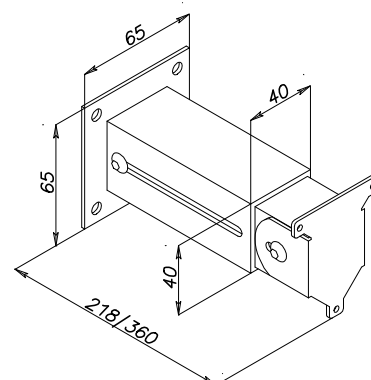
01815Z



01740F

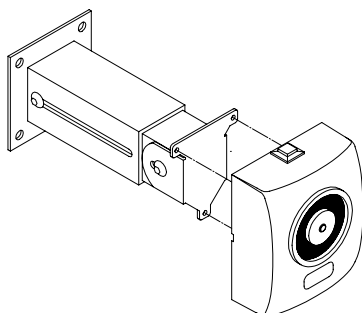


01740

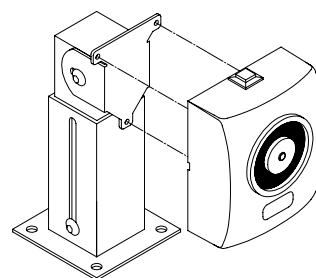


01740M

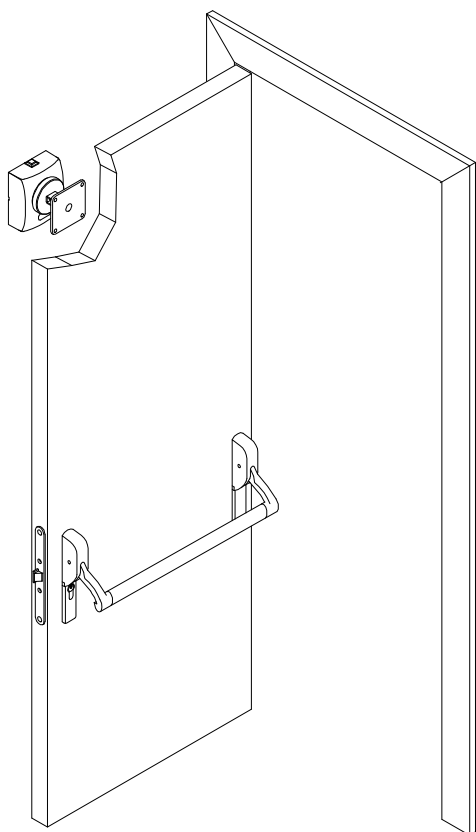
WALL MOUNTING BRACKET EXAMPLE



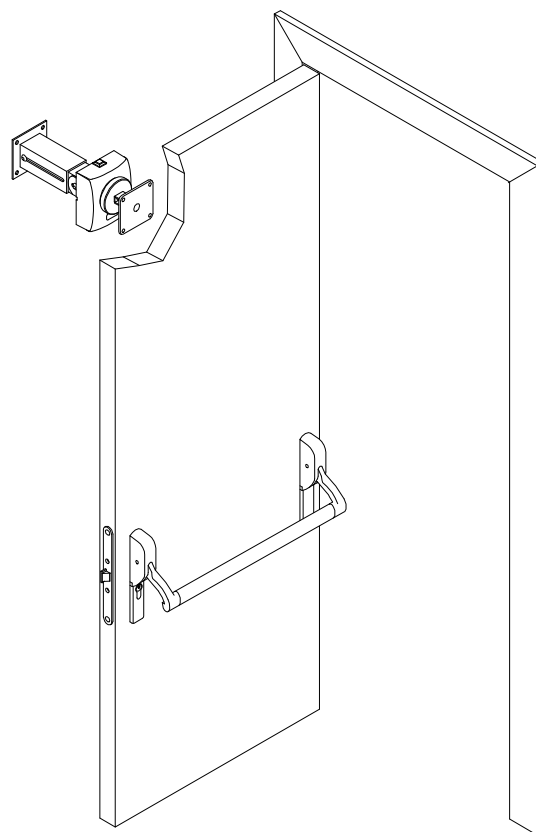
FLOOR MOUNTING BRACKET EXAMPLE



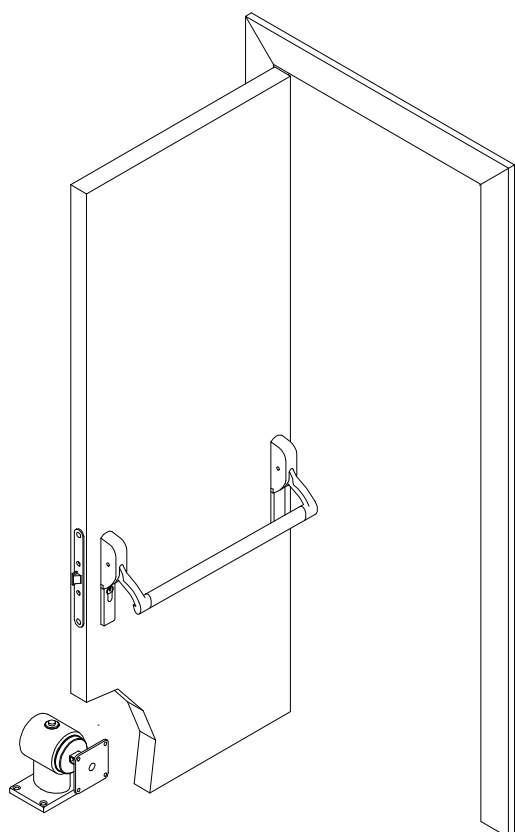
	Art.	Description
 <p>12 Vdc</p>	Art. + LV	12 VDC POWER Special coil for voltage 12 Vdc Absorbed current: 120 mA Part no. electromagnet + LV (i.e. 19001LV) Use: for all electromagnets of 01620, 01630, 180, 190 series
 <p>12 Vac</p>	Art. + ALV	12 VAC POWER Special coil and rectifier circuit for operation of the electromagnet at 12 Vac Absorbed current: 130 mA Part no. electromagnet + ALV (i.e. 19001ALV) Use: for all electromagnets of 01620, 01630, 180, 190 series
 <p>24 Vac</p>	Art. + AC	24 VAC POWER Rectifier circuit for voltage at 24 Vac Absorbed current: 100 mA Part no. electromagnet + AC (i.e. 19001AC) Use: for all electromagnets of Fire Control series
 <p>48 Vdc</p>	Art. + HV	48 VDC POWER Special coil for voltage at 48 Vdc Absorbed current: 40 mA Part no. electromagnet + HV (i.e. 19001HV) Use: for all electromagnets of 180, 190 series
 <p>20 Kg</p>	Art. + LF	REDUCED HOLDING FORCE 20 KG. Current reducer to bring the holding force for the standard electromagnets to 20 Kg. Part no. electromagnet + LF (i.e. 19001LF) Use: for all electromagnets of 01620, 01630, 180, 190 series
	Art. + F	SCREW CONNECTOR Power connector with screw terminal block and anti-disturb varistor fixed on the body of the electromagnet Part no. electromagnet + F (i.e. 01630F) Use: for all electromagnets of 01620, 01630, 01820, 01830 series
 <p>Com. N.A.</p>	Art. + M	STATUS SENSOR Internal magnetic sensor with N.O. contact for indication of attracted Armature plate Part no. electromagnet + M (i.e. 19001M) Use: for all electromagnets of 01620, 01630, 180, 190 series



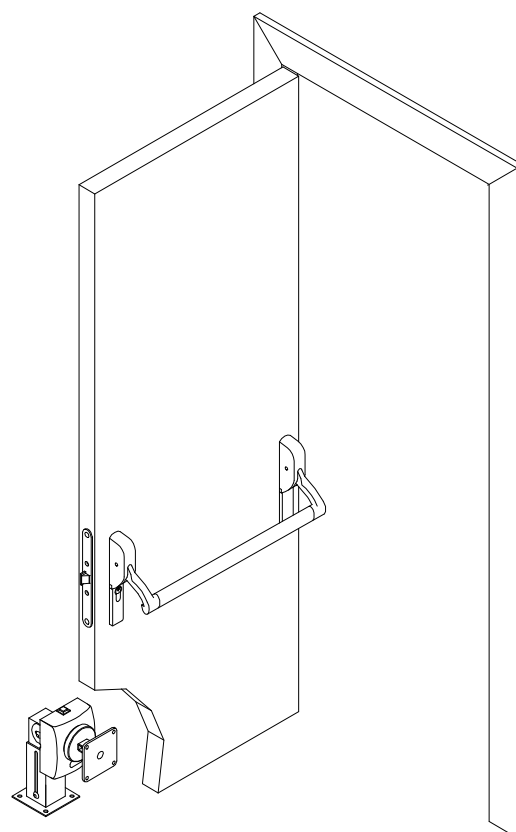
190 + 01805Z series



190 + 01805Z + 01740 series



18005 + 01805Z series



190 + 01805Z + 01740 series

The **hydraulic dampers** allow the automatic reclosure of a sliding fire door to be braked. After the critical moment of departure is over, the velocity of the door increases progressively and proportionally to the travel period and to its own weight. In emergency situations, the energy release could cause serious damage to people or things that may be in the way. The hydraulic regulator allows the closure velocity to be stabilized in a constant way

Art.	Description
60000	HYDRAULIC DAMPERS Body in aluminium See dimensions at the bottom page Pulley in steel, diameter (mm) 60 for insertion of a trapezoidal belt (special pulleys available on request) Hydraulic, free sliding clockwise system and refrained anticlockwise (reversible). Screw adjustment of the refrained system. Working temperature: -15° +70°C Side M8 fixing for insertion on support brackets (sold separately)) Use: used to limit the run speed of sliding or counterweighted fire doors



60001

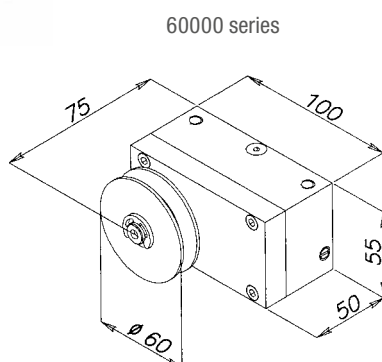
3 PULLEY VERSION HYDRAULIC DAMPER

Body in aluminium
 See dimension at the bottom page
 Pulley in steel with vulcolan insert, diameter (mm) 60 for insertion of a 3 mm. diameter steel cable
 Hydraulic, free sliding clockwise system and refrained anticlockwise (reversible).
 Screw adjustment of the refrained system.
 Working temperature: -15° +70°C
 Side M8 fixing for insertion on support brackets (sold separately)
Use: used to limit the run speed of sliding or counterweighted fire doors

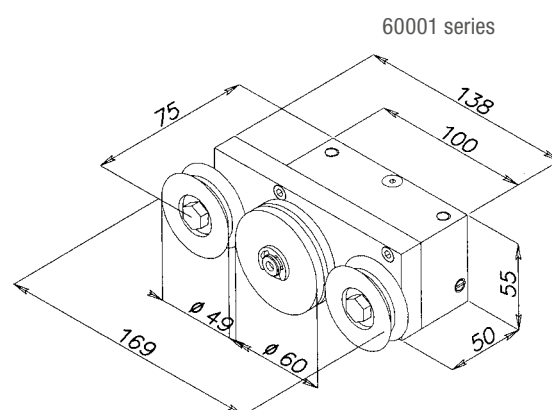


FIXING BRACKET

On demand: Fixing bracket for dampers made according to customers need.



60000 series



60001 series

HYDRAULIC IMPACT SHOCK ABSORBERS FOR SLIDING FIRE DOORS

The **hydraulic shock absorbers** are used as stops to slow the impact and therefore facilitate the closure of a sliding door thanks to the braking effect deriving from the passage of the oil through holes and slots made in the cylindrical body. The degree of braking can be increased or decreased through a regulation system by opening or closing the passages of the oil through the piston. The stem of the shock absorber, once compressed, automatically rearms upon the reopening of the door through a special magnet, preparing itself for a new cycle.

Art.	Description
	SHORT HYDRAULIC SHOCK ABSORBER
	Galvanized steel cylindrical body Diameter of the body and magnet: 28 mm Minimum total length including magnet: 196 mm Total length in maximum extension: 252 mm Stroke: 56 mm Hydraulic shock absorbing system Adjustment of the hardness of the shock absorber Fixing through threaded terminals M 16 x 1 Safety valve to release the brake fluid in the case of fire and to prevent the spontaneous reset of the stem by thermal expansion of the liquid (only Art. 65000)
65000	<u>With safety valve</u>
65000SV	<u>Without safety valve</u>
	Use: closure impact shock absorber for sliding fire doors with counterweights



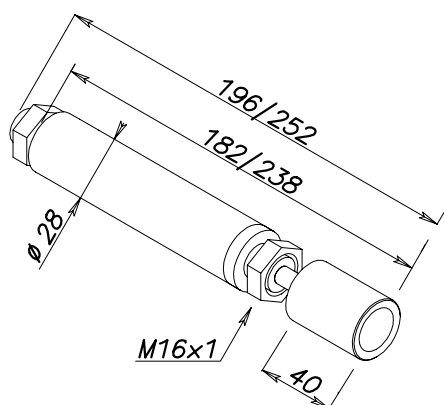
65000
65000SV

LONG HYDRAULIC SHOCK ABSORBER

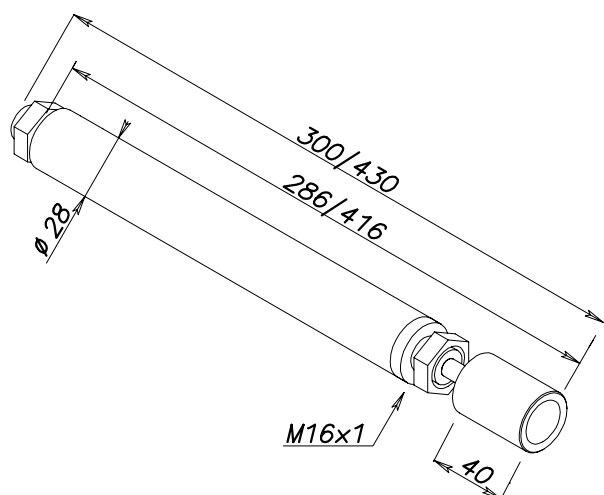
Galvanized steel cylindrical body
Diameter of the body and magnet: 28 mm
Minimum total length including magnet: 300 mm
Total length in maximum extension: 430 mm
Stroke: 130 mm
Hydraulic shock absorbing system
Adjustment of the hardness of the shock absorber
Fixing through threaded terminals M 16 x 1
Safety valve to release the brake fluid in the case of fire and to prevent the spontaneous reset of the stem by thermal expansion of the liquid (only Art. 65001)

65001
65001SV

Use: closure impact shock absorber for sliding fire doors with counterweights

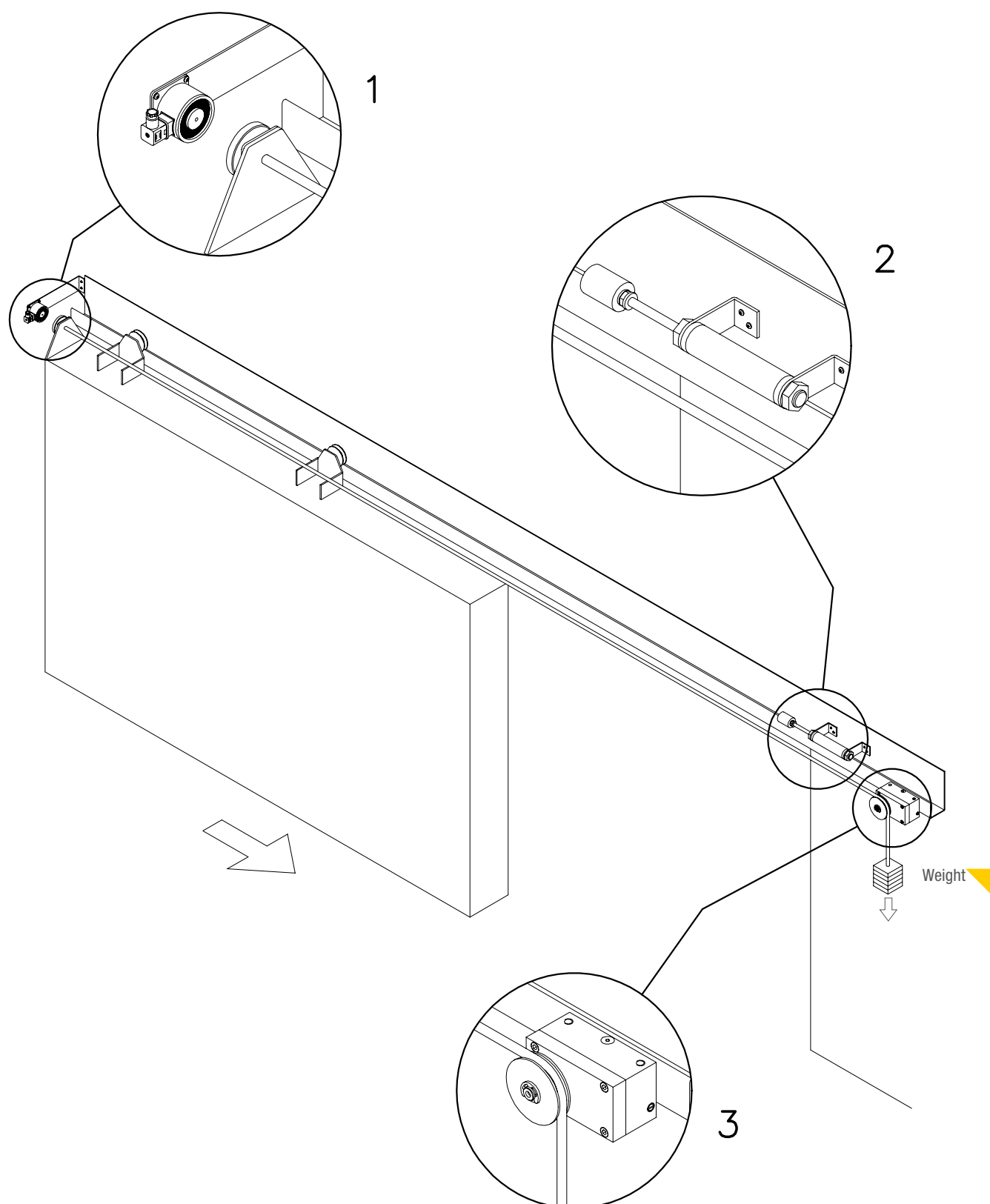


65000 series



65001 series



**LEGENDA**

- 1 Door retainer
- 2 Shock absorber
- 3 Hydraulic damper



Art.

Description

52002

SINGLE ZONE FIRE ALARM PANEL

Box in beige ABS

Dimensions (mm): 240 x 150 x 48

Operating voltage:

1Primary, 230 Vac 50-60Hz mains

2Auxiliary provided by 2 12Vdc 1.1/1.3 Ah batteries (item 00112 compulsory and sold separately) See page 63

Operational zones: single

Main panel with LED to indicate operational status of the panel with the following displays:

- fire alarm
- mains power/power failure
- auxiliary power/power failure (battery)
- panel general fault
- detector(s) line fault
- remote alarm activation call point(s) line fault
- manual out of order status of the panel
- sounder line fault
- electromagnets power status
- system fault

Manual out of order push button of the sounder line and the call point and detector lines;

Alarm conditions, fault or out of order reset push button

Key switch for access to the panel's Level 2 functions

Inputs (on terminal block):

Heat and smoke detector(s) line (up to 8 units, compulsory, sold separately and EN54-5 (heat) / EN54-7 (smoke) certified, Art. 05203A or 05204A)

See page 64

Remote alarm activation call point(s) line (up to 5 units, min. 2 compulsory, sold separately and EN54-11 certified Art. 05110R) See page 60

Remote manual electromagnetic release button(s) line

External alarm buzzer silencing/reactivation push button following alarm condition (Art. 05115) See page. 64

Outputs (on terminal block):

Electromagnets line (up to 4 - 24 Vdc - Max. 300 mA totals)

Output for connection of up to 2 external sounders (additional electronic sounder compulsory, sold separately and EN54-3 certified, Art. 05207) operating in parallel to the internal sounder of the panel. See page 64

1 relay output on COM./N.O./N.C contacts (2 A) for external indication of out of order/fault status of the panel

Other features:

Signalling of the presence/absence of mains power

Signalling of the presence/absence of auxiliary power (battery)

Battery status monitoring

Silencing of panel alarm signalling






Reactivation of alarm signalling after a new alarm signal from any of the detection devices

Possibility of placing the panel out of service manually for system maintenance

Identification and signalling (visual and acoustic) of the presence of detector and remote fire alarm activation call point lines

Possibility of delayed power cut to the electromagnets

Compliance: EN54-2 (panel) and EN54-4 (power supply)

Art.	Description	
 <p data-bbox="413 297 504 327">05203A</p> <p data-bbox="413 692 545 721">ART. + BRA</p>	<p data-bbox="592 297 1043 327">DUAL HEAT AND SMOKE DETECTOR</p> <p data-bbox="592 333 1273 680"> Container in white ABS Dimensions (mm): 100 diameter x 52 height Operating voltage : 24 Vdc (10 – 30 Vdc) Absorption in standby 67 microA @ 24Vdc/ in alarm: 25 mA Operating temperature: - 20 to + 70 °C Operational technology: optical, heat Supplementary detector complete with base for ceiling mount, can be connected to article 52002 Compliance: EN54-7 (smoke) Use: this dual heat detector activates alarm condition in case of smoke detection or heat detection </p> <p data-bbox="592 698 1155 728">On demand: <u>relay base for connection with other systems</u></p>	
 <p data-bbox="413 824 504 853">05204A</p> <p data-bbox="413 1258 545 1288">ART. + BRA</p>	<p data-bbox="592 824 984 853">HEAT RATE OF RISE DETECTOR</p> <p data-bbox="592 860 1286 1243"> Container in white colour plastic material Dimensions (mm): 100 diameter x 47 height Operating voltage : 24 Vdc (10 – 30 Vdc) Absorption in standby 55 mA / in alarm: 25 mA Operational technology: heat rate of rise with trigger for increases higher than 30°C per minute. Operating temperature: - 20 to + 70 °C Supplementary detector complete with base for ceiling mount, can be connected to article 52002 Compliance: EN54-5 (heat) Use: this heat rate of rise detector triggers an alarm condition in case of detection of a rapid rise in temperature </p> <p data-bbox="592 1258 1155 1288">On demand: <u>relay base for connection with other systems</u></p>	
 <p data-bbox="413 1350 504 1379">05206A</p>	<p data-bbox="592 1350 1069 1379">TEST SPRAY FOR SMOKE DETECTORS</p> <p data-bbox="592 1386 1026 1456"> Spray bottle to check correct operation of the smoke detectors Art. 05203 </p>	
 <p data-bbox="413 1552 485 1581">05207</p>	<p data-bbox="592 1552 885 1581">ELECTRONIC SOUNDER</p> <p data-bbox="592 1588 1018 1839"> Container in red colour plastic material Dimensions (mm): 93 diameter x 63 height Operating voltage: 12 / 24 Vdc - 15 mA Sound power: Max 114 dB @ 24 Vdc Working temperature -25° +70° C IP rating: P54 32 tones selectable by internal dip switches. Compliance: EN54-3 </p> <p data-bbox="592 1856 1160 1886">Use: electronic alarm to be used with single zone panel 52002</p>	
 <p data-bbox="413 1917 481 1946">05115</p>	<p data-bbox="592 1917 992 1946">RELEASE/RESET PUSH BUTTON</p> <p data-bbox="592 1953 1031 2049"> Box in grey colour plastic material for wall mount Dimensions: mm 81x67x55 N.O / N.C push button contact </p> <p data-bbox="592 2067 1323 2128">Use: push button for release of the retainer electromagnets or for silencing reset of the fire control panel Ref. 52002</p>	

Art.

Description

05110R

CALL POINT FOR ALARM ACTIVATION WITH PRESSURE, WITH MANUAL RESET

ABS box

Dimensions: 99 x 95 x 43 mm

C./N.A./N.C. internal exchange contact

Manual reset of the contact

Degree of protection: IP41

Transparent Plexiglas cover for the protection of the activation button of the case

Red box (for the connection to fire prevention systems)

Use: Pressure on the plastic front panel plate activates the switching of the electrical contact

Compliance: EN54-11 (only item 05110R)



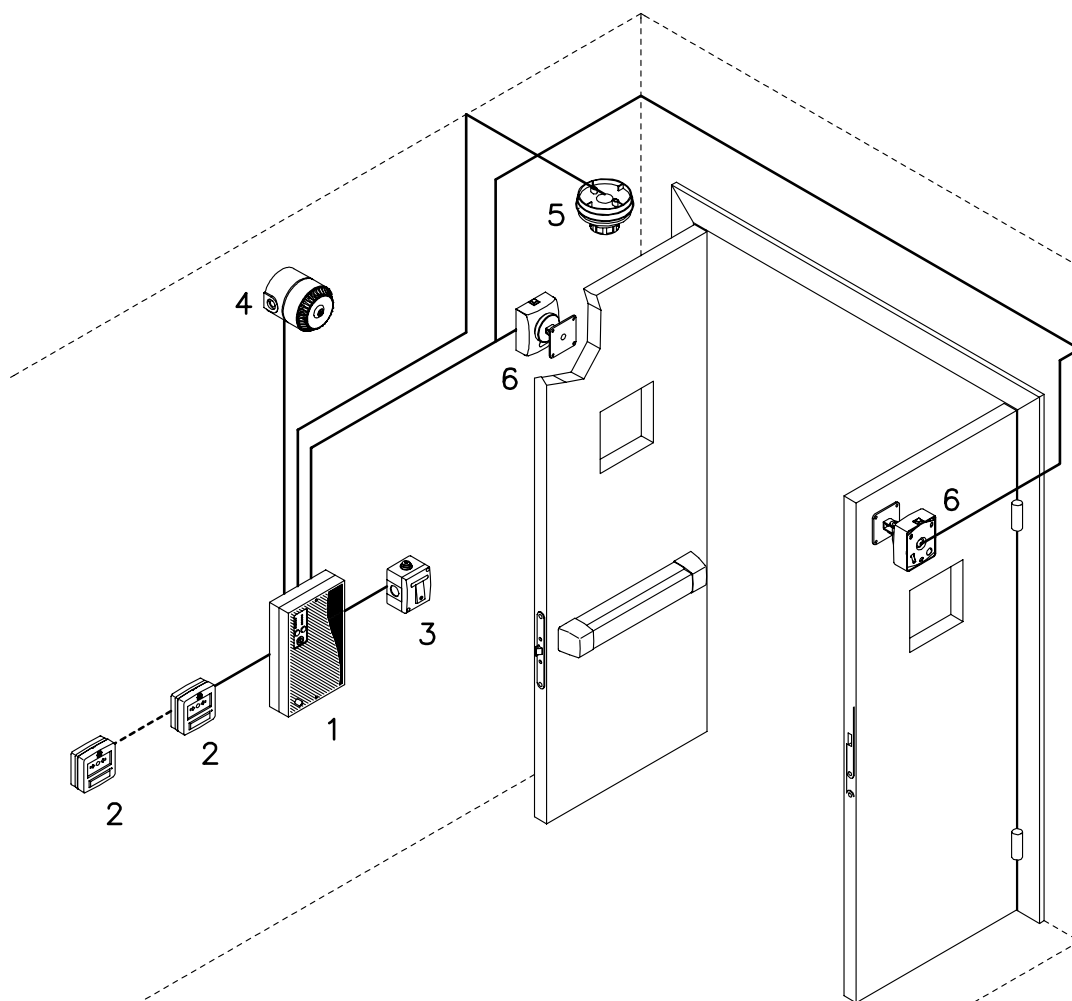
00112

BATTERIES

12 Vdc rechargeable lead battery

Dimensions: 97 x 42 x 53 mm

Power: 1.2 A for item. 52002

**LEGENDA**

- 1 Single zone controller
- 2 Activation switches
- 3 Silence switch
- 4 Alarm
- 5 Detector
- 6 Electromagnets





SMART TRIM

- ▶ ELECTRONIC HANDLE FOR FIRE DOORS AND EMERGENCY EXITS
- ▶ TO BE MATCHED WITH ALL FIRE DOORS LOCKS
- ▶ CAN BE MOUNTED ON NARROW METAL FRAMES
- ▶ ELECTRONICS CONTROL UNIT WITH INTERNAL MICROPROCESSOR
- ▶ OPTIC AND ACOUSTIC INTEGRATED SIGNALLING





SMART TRIM

www.opera-italy.com



PLUS

- ▶ Elegant design in mat chrome satin finish
- ▶ To be matched with rim type panic bars
- ▶ Internal electronics with micro switch
- ▶ Blue/White LED for floor lighting
- ▶ Power 12/24 Vac/dc
- ▶ Adjustable timer
- ▶ Activated bar signalling contact





**ELECTRIC HANDLE
FOR MORTICE LOCKS**



**ELECTRIC HANDLE
FOR RIM PANIC BARS**



PLUS EXAMPLE

- ▶ Version for fire doors
- ▶ Version for panic bars
- ▶ Opening by internal button
- ▶ To be matched with intercom and access control systems

SEE VIDEO





Black



White RAL 9002



Gray RAL 9006

Art.	Description
	<p>ELECTRICALLY OPERATED HANDLE</p> <p>For full metal and glass fire proof doors</p> <p>Body made of black painted zinc alloy</p> <p>Handle made of black painted aluminium with steel core</p> <p>Internal mechanisms made of hardened steel</p> <p>Dimensions: 225 x 38 x 33 mm, handle H 85 mm</p> <p>Distance between cylinder and handle: 72, 92 mm</p> <p>Handle panel 9 mm (8 mm upon request)</p> <p>Fixing on the door without having to make supplementary holes</p> <p>Power supply 12/24 V AC/DC</p> <p>Current consumption: at 12 V - 700 mA peak/500 mA maintenance at 24V - 300 mA peak/200 mA maintenance</p> <p>Red LED for the signalling of the handle disabled status (version 40600)</p> <p>Green LED for the signalling of the handle enabled status (version 40800)</p>
	<p>Version WITHOUT CLOSING TIME DELAY</p> <p>Use: to be used instead of the traditional mechanical handle mounted on the pull side of the door</p> <p>The handle, which is usually found in the neutral position, can be enabled by removing the power supply (version Art. 40600) by providing power (version Art. 40800) through a button contact or by access control.</p> <p>The enabling is limited to the length of the impulse.</p> <p><u>Fail safe version – enabled with no power – Black colour</u></p>
40600	
40600B	On demand with longer delivery time. Consult factory:
40600GM	<u>Fail safe version – enabled with no power – White colour (RAL 9002)</u>
	<u>Fail safe version – enabled with no power – Gray colour (RAL 9006)</u>
40800	<u>Fail secure version – Black colour</u>
	On demand with longer delivery time. Consult factory:
40800B	<u>Fail secure version – White colour (RAL 9002)</u>
40800GM	<u>Fail secure version – Gray colour (RAL 9006)</u>
	<p>Version WITH CLOSING TIME DELAY</p> <p>Internal time adjustable from 0 - 60 s (can be excluded)</p> <p>Open Collector output to pair to an external micro-relay for the handle enabled signalling</p> <p>Red/green two-colours LED for the signalling of the handle enabled or disabled status</p> <p>Internal acoustic signalling, excludable, for the access enabled indication</p> <p>Use: to be used instead of the traditional mechanical handle mounted on the pull side of the door.</p> <p>The handle, which is normally found in the neutral position, can be enabled through the closure of an N.A. contact by button or by access control. In this version, the power supply is kept fixed.</p>
40601	<u>Fail safe version – enabled with no power – Black colour</u>
	On demand with longer delivery time. Consult factory:
40601B	<u>Fail safe version – enabled with no power – White colour (RAL 9002)</u>
40601GM	<u>Fail safe version – enabled with no power – Gray colour (RAL 9006)</u>
40801	<u>Fail secure version – Black colour</u>
	On demand with longer delivery time. Consult factory:
40801B	<u>Fail secure version – White colour (RAL 9002)</u>
40801GM	<u>Fail secure version – Gray colour (RAL 9006)</u>
Art. + MEC	Handle - Mechanical version



Note: the use of split follower is required when fitting the electric handle to antipanic touch-bar handles. It is not designed to be exposed to weather conditions

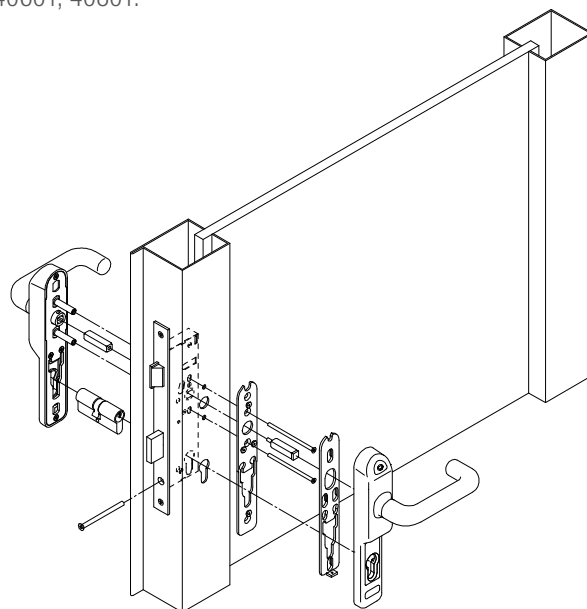
ELECTRICALLY OPERATED HANDLES SMART TRIM SERIES

Art.	Description
------	-------------

Art. + DM

DOUBLE HANDLE VERSION

Ex. 40800DM) Electric handle with fixing plate for mounting two electric handles on both side of the same door (See drawing below). This unit must be paired with a standard electric handle 40600, 40800, 40601, 40801.



Double handle application
Art. 40800DM + 40800

00406

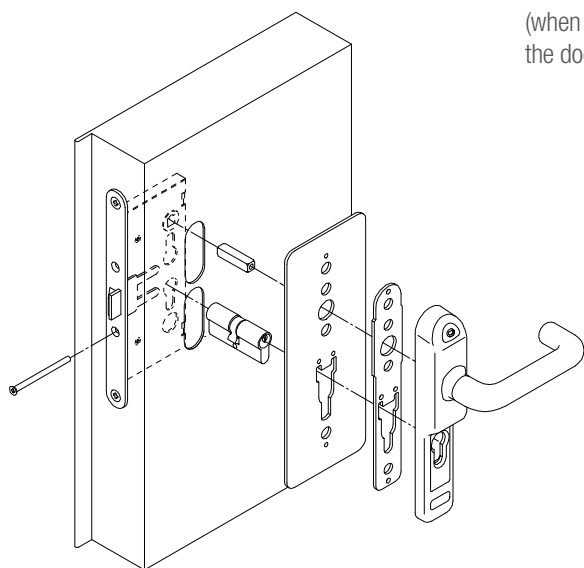
FIXING PLATE FOR ELECTRICALLY OPERATED HANDLE

Body in black painted steel

Dimensions (mm): 260 x 100 x 3

Fixing to the door by means of the electric handle itself without having to drill additional holes

Use: the plate base is a supplementary accessory which can be combined with the electric handle in cases the surface contact needs to be increased (when the fixing of the electric handle tends to crush the structure of the door itself)



Fixing under-plate item 00406



distance between cylinder
and handle 72mm



Distance between cylinder
and handle 92mm



Full plate





Matt chrome



White



Black

Art.

Description

ELECTRICALLY OPERATED HANDLE**For locks for full metal and glass fire proof doors**

Brushed metal body and handle

Case-hardened steel internal mechanisms

Dimensions: mm 234 x 48,5 x 38, handle height mm 84

Distance between cylinder and handle mm 72 (on demand 85mm, 92mm or full blank with no hole).

Handle panel mm 9 (on request mm 8)

Mounting on the door, no additional holes required

Selectable handle panel rotation 45° or 60°

Power supply 12/ Vac/dc – 24Vdc

Absorbed current: at 12V – 700 mA peak/ 500 mA holding

at 24V – 300 mA peak/200 mA holding

Electronic opening holder

Red LED (handle disabled for 40610 version) and green (handle enabled for 40810 version)

VERSION WITHOUT CLOSING TIME DELAY**Use:** replacement of traditional mechanical handle mounted outside door.

The handle, normally free turning, can be enabled by de-energizing (P/N 40610 version) or energizing (P/N 40810 version) through a button contact or access control system.

Action is limited to the duration of the impulse.

40610**40610B****40610N**Fail safe – enabled with no power – Matt chrome platedFail safe – enabled with no power – Black painted (RAL 9005)Fail safe – enabled with no power – White painted (RAL 9010)**40810****40810B****40810N**Fail secure – disabled with no power – Matt chrome platedFail secure – disabled with no power – Black painted (RAL 9005)Fail secure – disabled with no power – White painted (RAL 9010)**VERSION WITH CLOSING TIME DELAY**

Additional features over the previous version:

Internal timer adjustable from 0-60 s (optional)

Open collector output can be coupled with a micro external relay to report handle enabled (see P/N 05258)

Two colours red/green LED signalling the handle status enabled or disabled

Blue LED to light the bottom of door

Use: replacement of traditional mechanical handle mounted outside door.

The handle, normally free turning, can be enabled by closing a NO button contact or access control system. In this version power supply is always on

40611**40611B****40611N**Fail safe – enabled with no power – Matt chrome platedFail safe – enabled with no power – White painted (RAL 9010)Fail safe – enabled with no power – Black painted (RAL 9005)**40811****40811B****40811N**Fail secure – disabled with no power – Matt chrome platedFail secure – disabled with no power – White painted (RAL 9010)Fail secure – disabled with no power – Black painted (RAL 9005)**Note:** the use of split frames is required when fitting the electric handle to a panic bar through the mortice lock**Art. + MEC**

Mechanical handle (ex. art.40610MEC)



ELECTRICALLY OPERATED HANDLES SMART TRIM SERIES

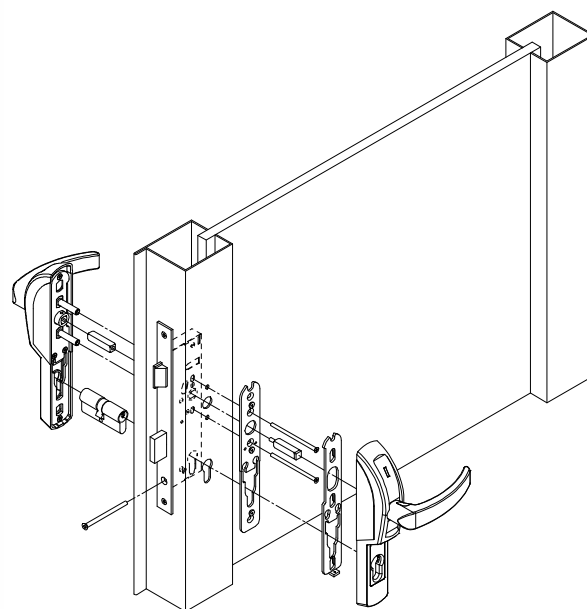
Art.	Description
------	-------------

Art. + DM

DOUBLE ELECTRONIC HANDLE APPLICATION

(l.g. 40810DM) Electric handle with fixing plate for mounting two electric handles on both side of the same door.

See drawing below.



Double handle fixing sample
40810DM + 40810

00416

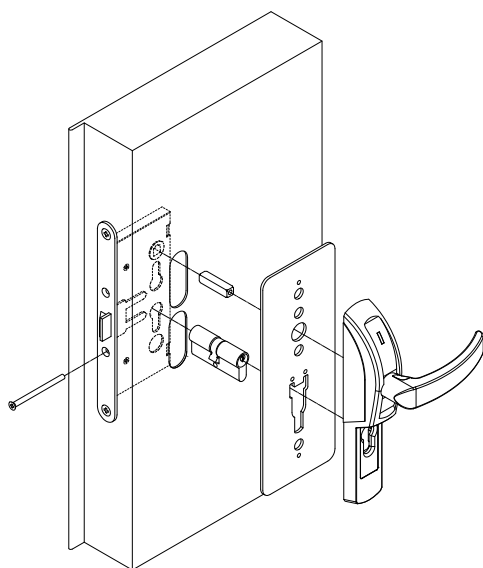
FIXING PLATE FOR ELECTRICALLY OPERATED HANDLE

Body in black painted steel

Dimensions (mm): 260 x 100 x 3

Fixing to the door by means of the electric handle itself without having to drill additional holes

Use: the plate base is a supplementary accessory which can be combined with the electric handle in cases the surface contact needs to be increased (when the fixing of the electric handle tends to crush the structure of the door itself)



Fixing under-plate item 00406



distance between cylinder
and handle 72mm



Interasse 85
a richiesta



Distance between cylinder
and handle 92mm



Full plate





Matt chrome



White



Black

Art.

Description

ELECTRICALLY OPERATED HANDLE**For rim panic exit bars**

Brushed metal body and handle

Case-hardened steel internal mechanisms

Dimensions: mm 232 x 55 x 38 handle height mm 84

Handle panel can be rotated 45° or 60° depending on the type of panic bar used

Mechanical enabling through flat key cylinder

Mounting on the door, no additional holes required

Power supply 12/24 V AC/DC

Absorbed current: at 12V – 700 mA peak/ 500 mA holding

at 24V – 300 mA peak/200 mA holding

Electronic opening holder

Red LED (handle disabled for 40620 version) and green (handle enabled 40820 version)

Version WITHOUT CLOSING TIME DELAY**Use:** replacement of traditional mechanical handle mounted outside door.

The handle, normally free turning, can be enabled by de-energizing (P/N 40620 version) or energizing (P/N 40820 version) through a button contact or access control system.

Action is limited to the duration of the impulse..

Fail safe – enabled with no power – Matt chrome platedFail safe – enabled with no power – White painted (Ral 9010)Fail safe – enabled with no power – Black painted (Ral 9005)**40620****40620B****40620N****40820****40820B****40820N**Fail secure – disabled with no power – Matt chrome platedFail secure – disabled with no power – White painted (Ral 9010)Fail secure – disabled with no power – Black painted (Ral 9005)**Version WITH CLOSING TIME DELAY**

Additional features over the previous version:

Internal timer adjustable from 0-60 s (optional)

Open collector output can be coupled with a micro external relay to report handle enabled (see P/N 05258)

Two colours red/green LED signalling the handle status enabled or disabled

Blue LED to light the bottom of door

The handle, normally free turning, can be enabled by closing a NO button contact or access control system. In this version power supply is always kept

Fail safe – enabled with no power – Matt chrome platedFail safe – enabled with no power – White painted (RAL 9010)Fail safe – enabled with no power – Black painted (RAL 9005)**40621****40621B****40621N****40821****40821B****40821N**Fail secure – disabled with no power – Matt chrome platedFail secure – disabled with no power – White painted (RAL 9010)Fail secure – disabled with no power – Black painted (RAL 9005)

TO COMBINE THE ELECTRIC HANDLE WITH A RIM PANIC BAR THE 00428 FIXING PLATE MUST BE USED

Art. + MEC**Extra on demand:**

Mechanical handle - Matt chrome plated (i.e 40620MEC)



ELECTRICALLY OPERATED HANDLES FOR PANIC BARS SMART TRIM SERIES



Art.

Description

00428

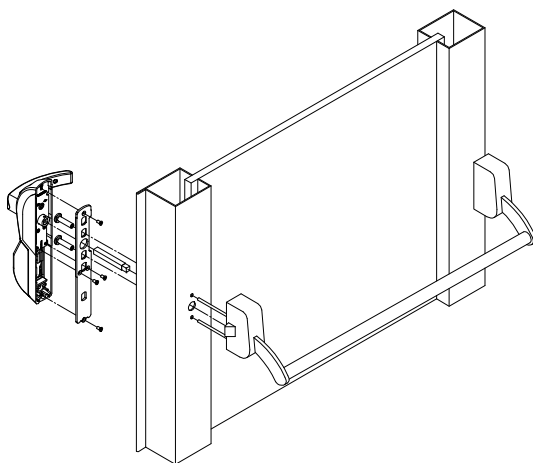
FIXING PLATE FOR MOUNTING THE ELECTRICALLY OPERATED HANDLE WITH RIM TYPE PANIC BAR

Galvanized steel made.

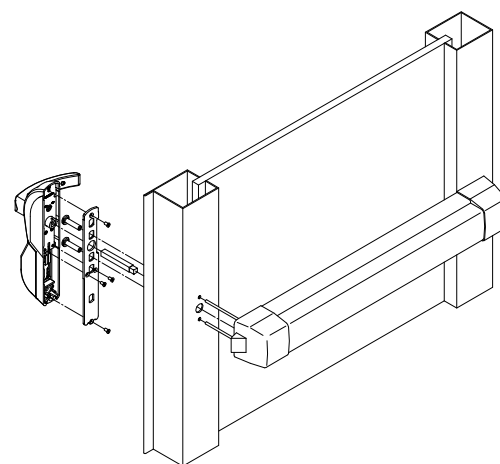
See web page for panic bar compatibility – just view the on side QR Code with your smartphone app.

Use: the fixing plate allows use of handles and electric handles 40620 – 40621 - 40820 - 40821 with different brands of panic bars.

**PRODUCT
SPECIFICATION
CHART FOR RIM
EXIT DEVICES
COMPATIBILITY**

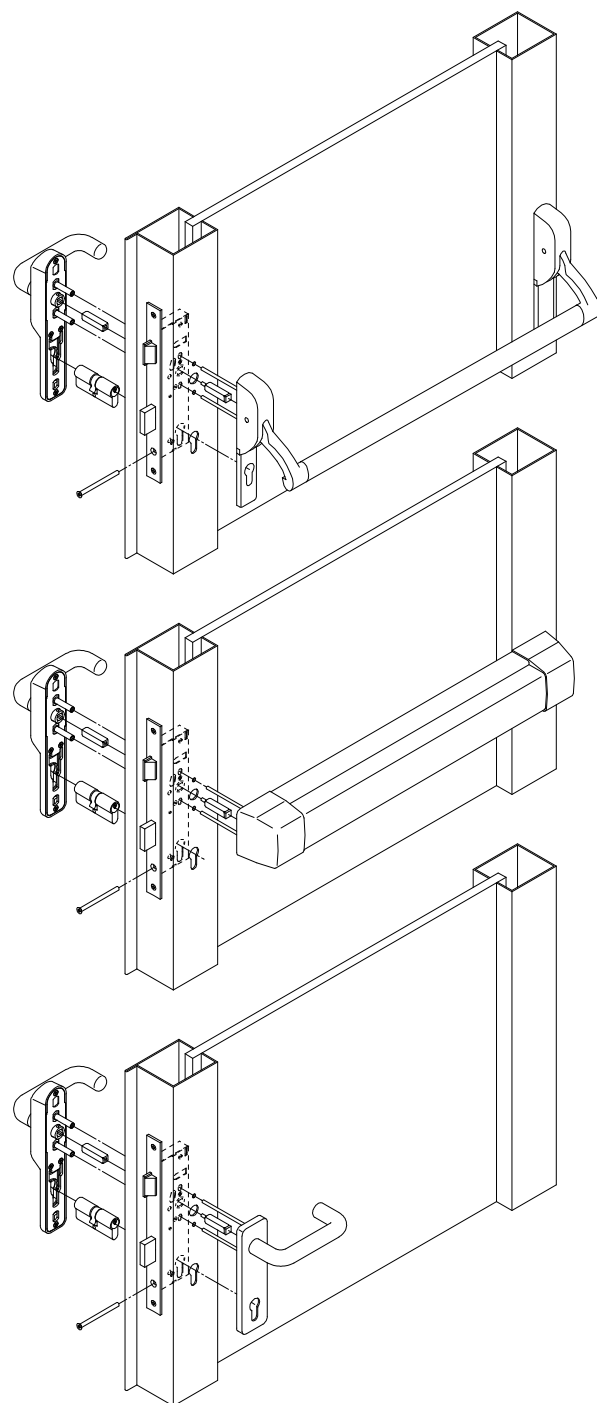
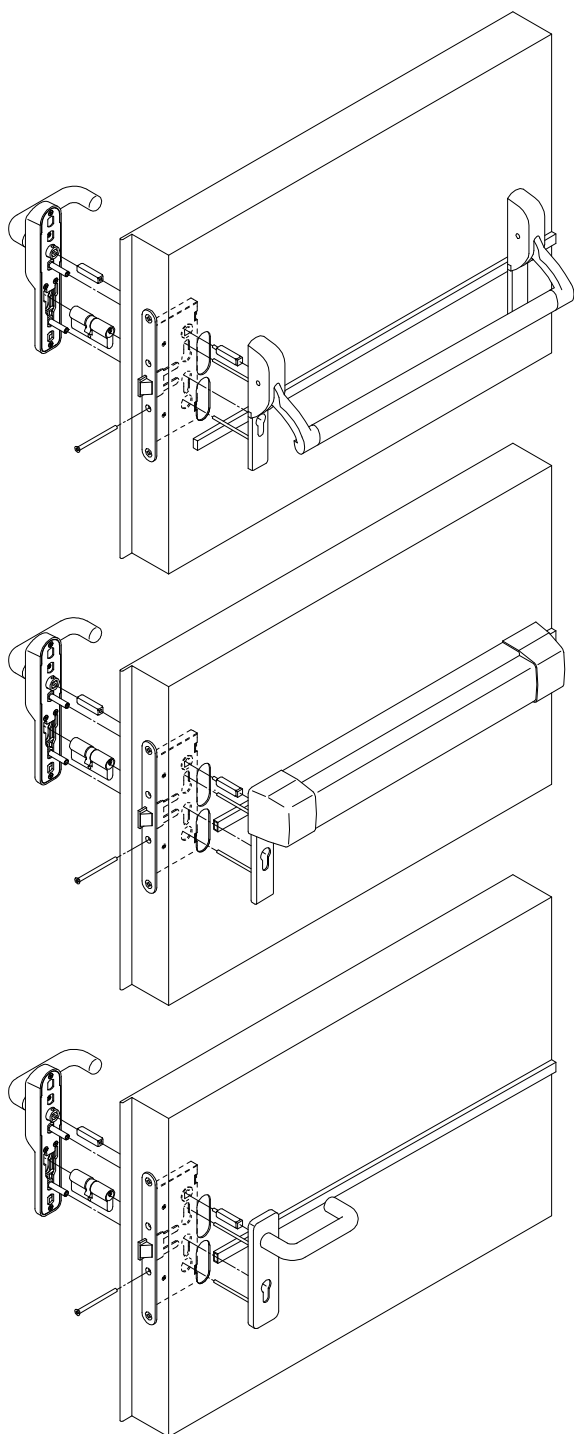


Electric handle with rim panic bar

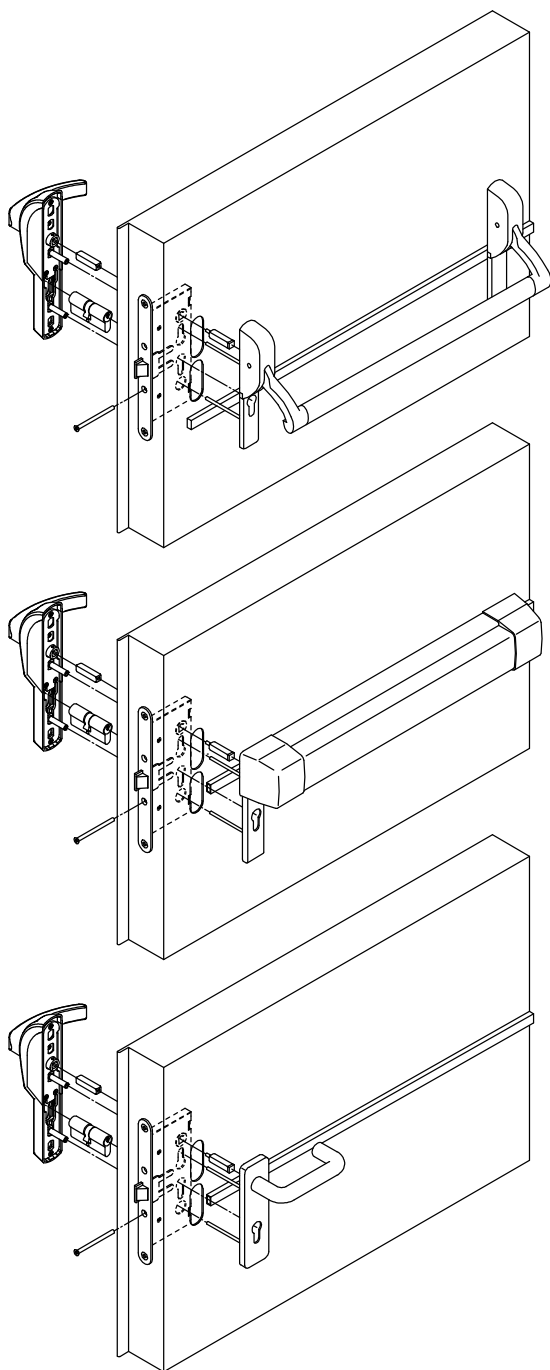


Electric handle with rim touch bar

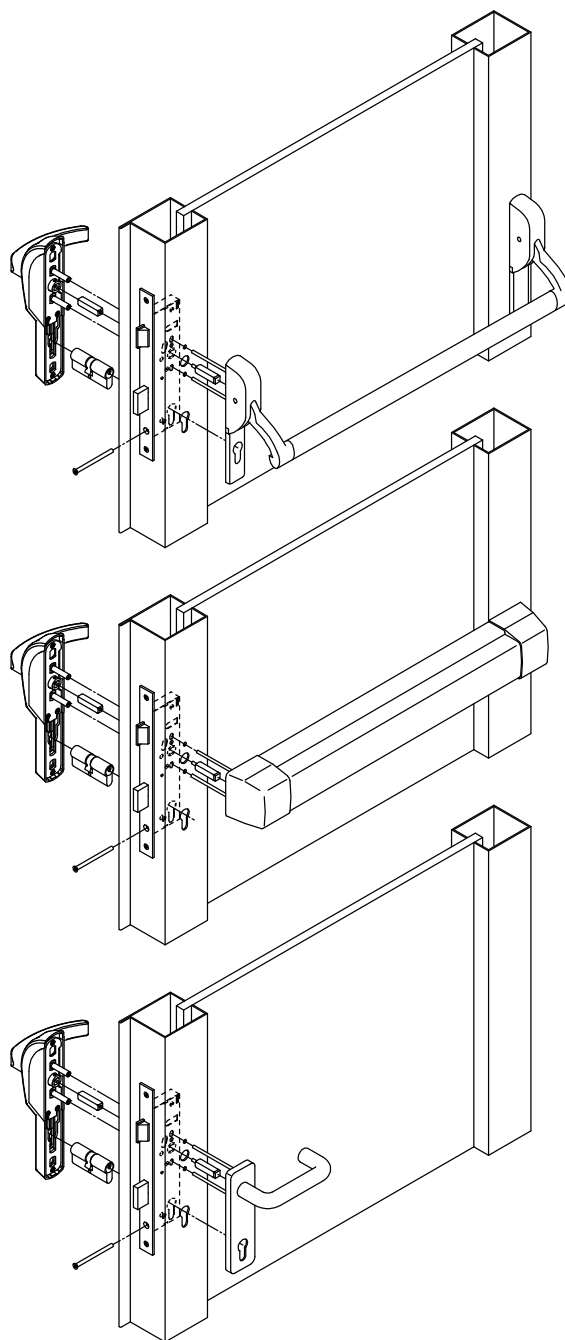


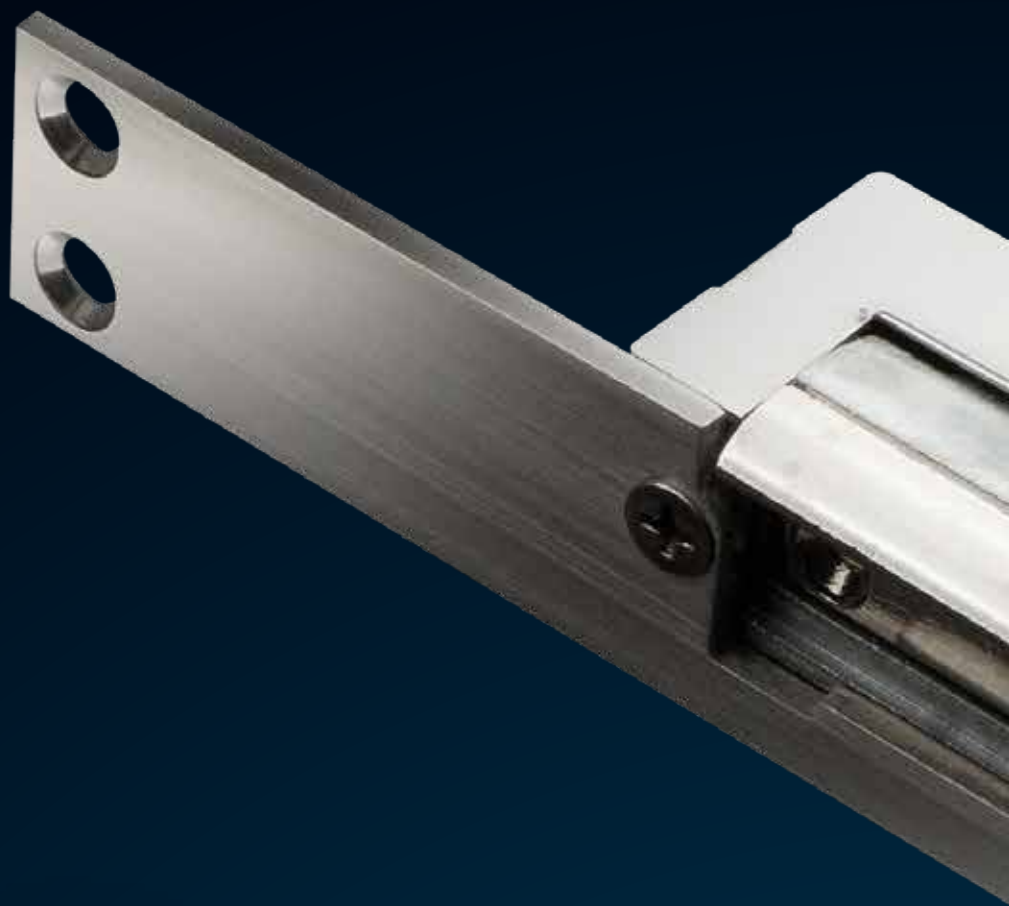


ELECTRIC HANDLE ON FULL METAL FIRE DOOR



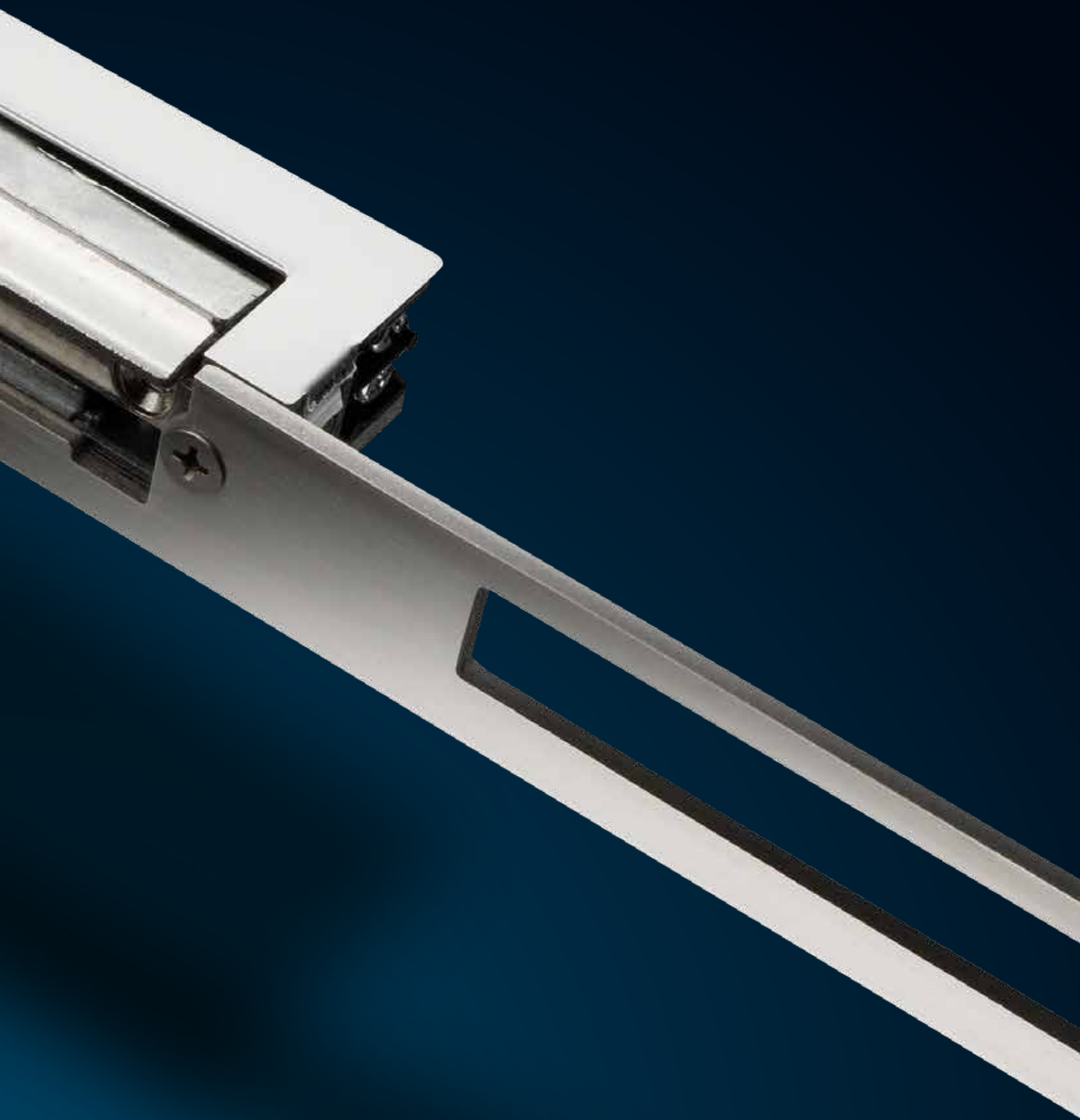
ELECTRIC HANDLE ON GLAZED DOOR

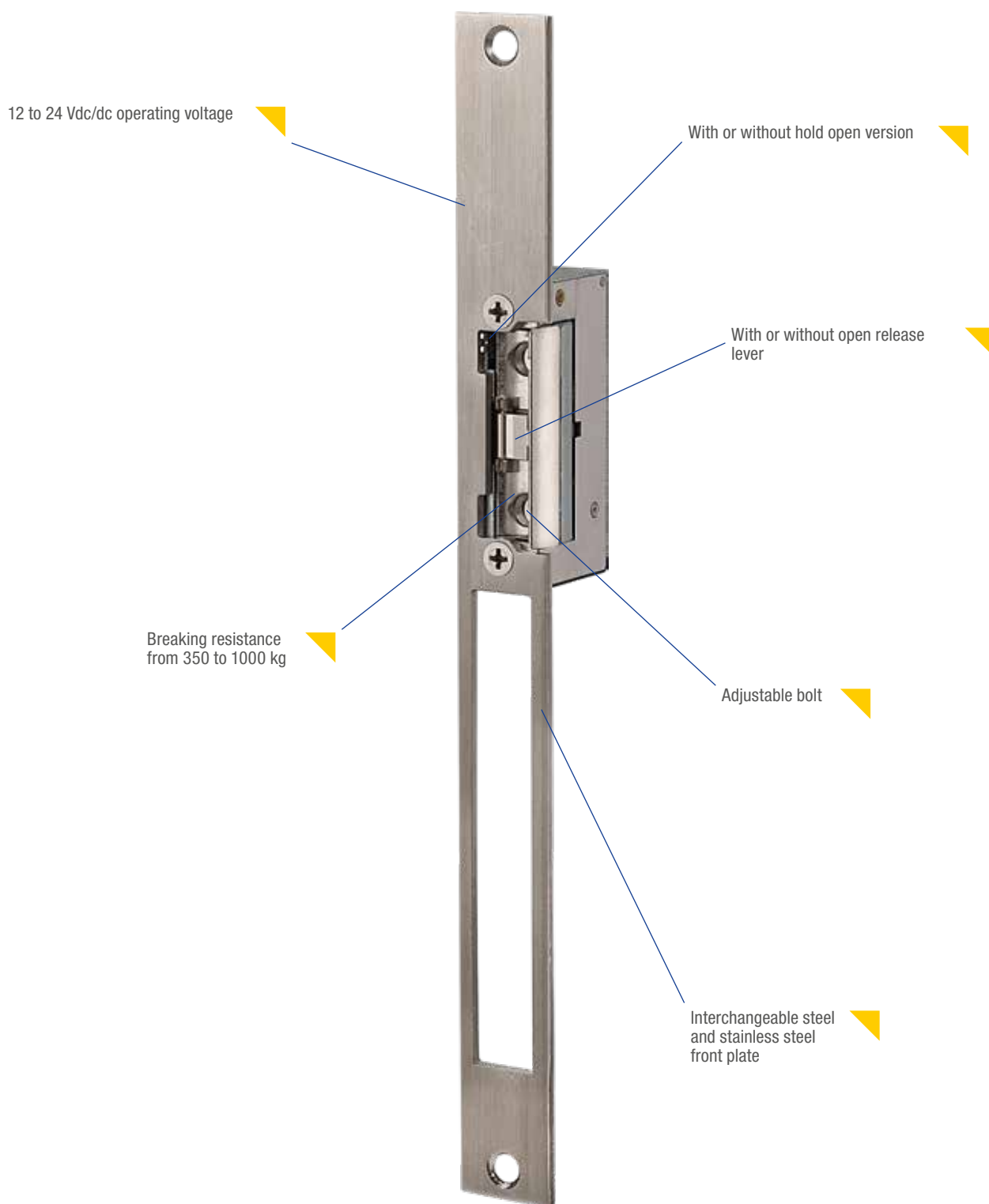




OMNIA

- ▶ SECURITY ELECTRIC STRIKES FOR WOODEN OR METAL DOORS
- ▶ RADIAL AND OMNIA 16 SERIES WITH 16 MM REDUCED GAUGE
- ▶ EXIT SERIE FOR PANIC BARS
- ▶ BLINDO SERIE FOR INTERLOCKED AND REINFORCED DOORS
- ▶ GLASS SERIE FOR CRYSTAL DOORS





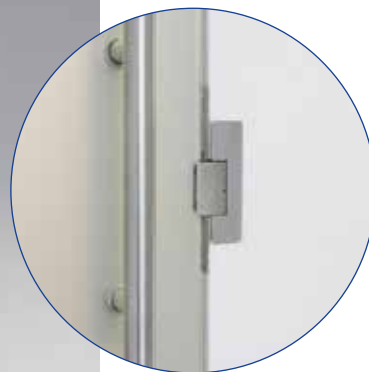
PLUS

- ▶ Ideal to electrify door openings with mechanical locks
- ▶ Breaking resistance from 350 to 1000 kg
- ▶ Fail safe or fail secure versions
- ▶ Low consumption versions to be matched with access control systems
- ▶ Versions with door status micro switch
- ▶ Wide range of front plates and finishes



CRYSTAL DOOR EXAMPLE

OPENING SYSTEM



CLOSED



OPEN

CRYSTAL DOOR EXAMPLE

- ▶ Glass electric strike for crystal doors
- ▶ Door block without lock
- ▶ Fail safe or fail secure versions
- ▶ For crystal thickness up to 12 mm
- ▶ Stainless steel front plate
- ▶ To be matched with access control systems



Common mechanical characteristics: Body and latch block in anti-corrosive metal, symmetrical - reversible. Destruction resisting power: 350 Kg. Horizontally adjustable latch block. **Provided without striking plate (to be ordered– see pages 94, 95 and 98).** **Use:** electric strike for aluminium or wood doors with latch or deadbolt locks.



Art.	Description
	ELECTRIC STRIKE Fail locked Without hold open function (opening limited to electrical impulse duration)
31012	<u>Operating voltage: 8 -12 Vac - 1.000 mA - without open release lever</u>
31012DC	<u>Operating voltage: 12 Vdc - 300 mA - without open release lever</u>
31024DC	<u>Operating voltage: 24 Vdc - 170 Ma - without open release lever</u>
31112	<u>Operating voltage: 8 -12 Vac - 1.000 mA - with open release lever</u>
31112DC	<u>Operating voltage: 12 Vdc - 300 mA - with open release lever</u>
31124DC	<u>Operating voltage: 24 Vdc - 170 Ma - with open release lever</u>



	ELECTRIC STRIKE Fail locked With hold open function (opening with electrical impulse) Relocking after door opening
31212	<u>Operating voltage: 8 -12 Vac – 1.000 mA - without open release lever</u>
31212DC	<u>Operating voltage: 12 Vdc – 300 mA - without open release lever</u>
31224DC	<u>Operating voltage: 24 Vdc – 170 mA - without open release lever</u>
31312	<u>Operating voltage: 8 -12 Vac – 1.000 mA - with open release lever</u>
31312DC	<u>Operating voltage: 12 Vdc – 300 mA - with open release lever</u>
31324DC	<u>Operating voltage: 24 Vdc – 170 mA - with open release lever</u>



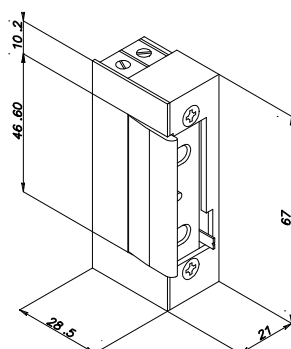
	ELECTRIC STRIKE Fail locked With hold open function (opening with electrical impulse) Relocking after door opening
31212L	<u>Operating voltage: 8 -12 Vac – 1.000 mA - without open release lever</u>
31212LDC	<u>Operating voltage: 12 Vdc – 300 mA - without open release lever</u>
31224LDC	<u>Operating voltage: 24 Vdc – 170 mA - without open release lever</u>
31312L	<u>Operating voltage: 8 -12 Vac – 1.000 mA - with open release lever</u>
31312LDC	<u>Operating voltage: 12 Vdc – 300 mA - with open release lever</u>
31324LDC	<u>Operating voltage: 24 Vdc – 170 mA - with open release lever</u>



Antiripetitore a slitta



	AUTOMATIC ELECTRIC STRIKE WITH HOLD OPEN FUNCTION BUILT IN Fail locked. Operating voltage: 8 -12 Vac - Current: 1,000 mA With built in hold open function without reload piston (opening with electrical impulse) Relocking after door opening
31412A	<u>Without open release lever</u>
31512A	<u>With open release lever</u>



Common mechanical characteristics: Body and latch block in anti-corrosive metal, symmetrical - reversible. Destruction resisting power: 350 Kg. Horizontally adjustable latch block. **Power supply : 10-24Vac-dc**

Provided without striking plate (to be ordered separately – see pages 94, 95 and 98).

Use: electric strike for aluminium or wood doors with latch or deadbolt locks.



Art.	Description
	ELECTRIC STRIKE
	Without hold open function (opening limited to electrical impulse duration)
	Power supply: 10-24 Vac/dc - 1000 mA
	Power consumption:
	185 mA a 12 Vac (impulsive)/240 mA a 12 Vdc (continuos)
	480 mA a 24 Vac (impulsive)/580 mA a 24 Vdc (impulsive)
31012UNI	<u>Without open release lever</u>
31112UNI	<u>With open release lever</u>

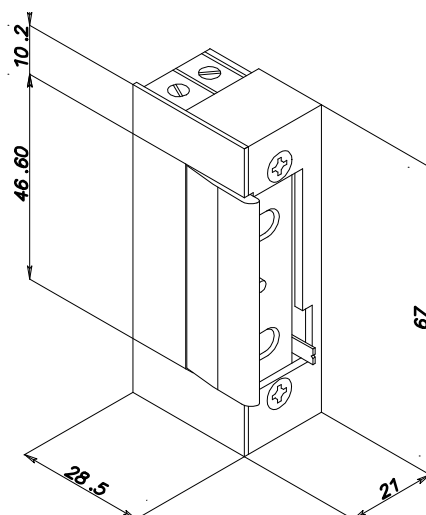
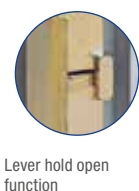


	ELECTRIC STRIKE
	Fail locked
	With hold open function (opening with electrical impulse)
	Relocking after door opening
	Power supply: 10-24 Vac/dc - 1000 mA
	Power consumption:
	185 mA a 12 Vac (impulsive)/240 mA a 12 Vdc (continuos)
	480 mA a 24 Vac (impulsive)/580 mA a 24 Vdc (impulsive)
31212UNI	<u>Without open release lever</u>
31312UNI	<u>With open release lever</u>

NEW



31212L UNI	<u>Without open release lever</u>
31312L UNI	<u>With open release lever</u>



Common mechanical characteristics: Body and latch block in anti-corrosive metal, symmetrical – reversible. Destruction resisting power: 350 Kg. **Horizontally adjustable latch block. Without striking plate (to be ordered separately – see pages 94, 95 and 98).**

Use: electric strike for aluminium or wood doors with latch or deadbolt locks



Art. 31012DCPN

LOW CONSUMPTION ELECTRIC STRIKE FOR ACCESS CONTROL SYSTEMS

Fail locked

Operating voltage: 12 Vac/dc - Current absorption: 250 mA

Internal anti-disturb varistor

Without hold open function (opening limited to electrical impulse duration)

Use: electric strike for aluminium or wood doors with latch or deadbolt locks

Special low current absorption with anti-disturb varistor.

Ideal for use with access control systems (i.e. : hotel badge readers)



Art. 31012DCF

Art. 31412FTA

ELECTRIC STRIKE WITH UP-LIFTED LATCH FOR ACCESS CONTROL SYSTEMS

Fail locked

Operating voltage: 12Vac/dc - 250mA - without hold open function -

opening limited to electrical impulse duration - Internal anti-disturb varistor

Operating voltage: 12Vac - 1000 mA - with internal hold open function -

opening with electrical impulse - Relocking after door opening

Use: electric strike for wood doors with deadlocked latch. It allows the complete action of the lock latch in order to activate the deadlocking.

Special low current absorption with anti-disturb varistor. Ideal for use with access control systems (i.e.: hotel badge readers)



Art. 31012TD

Art. 31112TD

TEMPORISED ELECTRIC STRIKE

Fail locked

Operating voltage :12 Vac - Current : 650 mA

Dimension 75x21x28 mm

Without hold open function (opening with electrical impulse)

Relocking after door opening

Opening time from 5 to 10 secs

After electrical impulse, door re-locks even if not moved, after few seconds.



Art. 31812

Art. 31824

ELECTRIC STRIKE

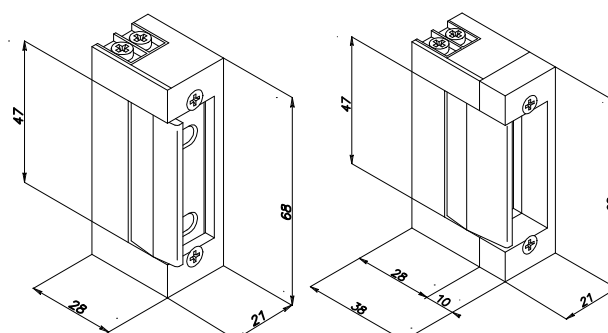
Fail unlocked

Horizontally adjustable latch block

Opening limited to the duration of lack of power

Operating voltage: 12 Vdc - Current: 350 mA

Operating voltage: 24 Vdc - Current: 120 mA



ELECTRIC STRIKES OMNIA RADIAL SLIDE SERIES

Common mechanical characteristics: Body and latch block in anti-corrosive metal, symmetrical – reversible.

Destruction resisting power: 500 Kg. Latch block horizontally adjustable. **Without striking plate (to be ordered separately – see page 96)**

Use: electric strike for aluminium or wood doors with latch or deadbolt locks.

Operation: in this radial electric strike the door latch bolt does not pivot out during opening but rather moves into the electric strike housing. This means that no cut needs to be made in the door post for the movement of the latch bolt during opening.



Art.

Description

ELECTRIC STRIKE

Operating voltage: 8 -12 Vac - 1.000 mA

Fail locked

Without hold open function (opening limited to electrical impulse duration)

32012

Without open release lever

32112

With open release lever



Lever hold
open function

32212

ELECTRIC STRIKE

Operating voltage: 8 -12 Vac - 1.000 mA

Fail locked

With hold open function (opening with electrical impulse)

Relocking after door opening

32212

Without open release lever

32312

With open release lever



32812

ELECTRIC STRIKE

Fail Safe - open with no power

32824

Operating voltage: 12Vdc - consumption 220 mA

Operating voltage: 24Vdc - consumption 140 mA



35412

AUTOMATIC ELECTRIC STRIKE WITH HOUSED IN HOLD OPEN FUNCTION

Operating voltage: 8 -12 Vac – 1.000 mA

Fail locked

With hold open function (opening with electrical impulse)

Relocking after door opening

35512

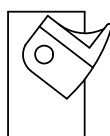
Without open release lever

With open release lever

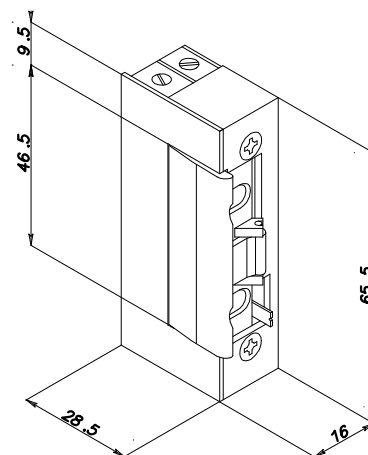
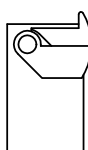
Opening encumbrance

No opening encumbrance

TRADITIONAL
ELECTRIC
STRIKE



RADIAL
ELECTRIC
STRIKE



Common mechanical characteristics: Body and latch block in anti-corrosive metal, symmetrical – reversible. Destruction resisting power: 500 Kg. Latch block horizontally adjustable. **Without striking plate (to be ordered separately – see page 94)**

Use: electric strike for aluminium or wood doors with latch or deadbolt locks.

Operation: in this radial electric strike the door latch bolt does not pivot out during opening but rather moves into the electric strike housing. This means that no cut needs to be made in the door post for the movement of the latch bolt during opening.

NEW: guaranteed opening despite 40 Kg side pressure.

NEW



32012PLA
32112PLA

Art.	Description
	ELECTRIC STRIKE - PRELOAD
	Operating voltage: 6/28 Vac/dc
	Consumption:
	12V / 390 mA peak / 210 mA holding
	24V / 240 mA peak / 110 mA holding
	Fail locked
	Without hold open function (opening limited to electrical impulse duration)
	<u>Without open release lever</u>
	<u>With open release lever</u>

NEW



32212PLA
32312PLA

ELECTRIC STRIKE - PRELOAD

Operating voltage: 6/28 Vac/dc

Consumption:

12V / 390 mA peak / 210 mA holding

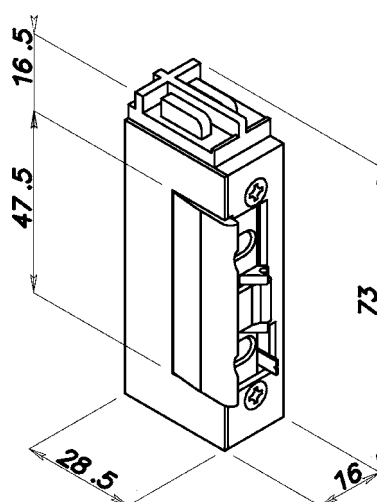
24V / 240 mA peak / 110 mA holding

Fail locked

With hold open function (relocking after door opening)

Without open release lever

With open release lever



Common mechanical characteristics:

Body and latch block in anti-corrosive metal, symmetrical – reversible. Destruction resisting power: 350 Kg. Horizontally adjustable latch block.

Without striking plate (to be ordered separately – see page 96)

Use: electric strike for PVC or wood doors with latch or deadbolt locks



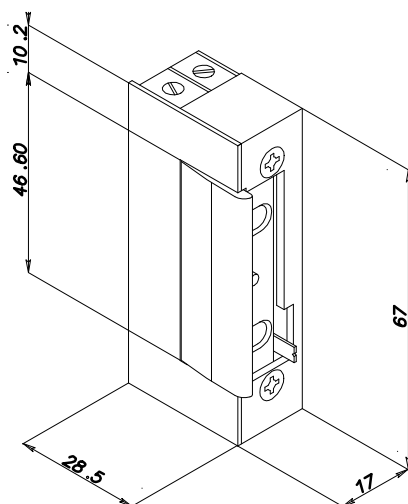
Art.	Description
	ELECTRIC STRIKE
	Fail locked
	Operating voltage: 8 -12 Vac - 1.000 mA
	Without hold open function (opening limited to electrical impulse duration)
33012	<u>Without open release lever</u>
33112	<u>With open release lever</u>



	ELECTRIC STRIKE
	Fail locked
	Operating voltage: 8 -12 Vac - 1.000 mA
	Without hold open function (opening limited to electrical impulse duration)
33212	<u>Without open release lever</u>
33312	<u>With open release lever</u>



	AUTOMATIC ELECTRIC STRIKE
	Fail locked
	Operating voltage: 8 -12 Vac - 1.000 mA
	With internal hold open function (opening with electrical impulse)
	Relocking after door opening
33412	<u>Without open release lever</u>
33512	<u>With open release lever</u>



Common mechanical characteristics:

Body and latch block in anti-corrosive metal, **symmetrical** - reversible. Destruction resisting power: 1.000 Kg.

Without striking plate (to be ordered separately – see pages 94, 95 and 98)

Use: special electric strike for security doors for use with an access control system or interlocking doors

NEW**Art.****Description****SECURITY ELECTRIC STRIKE**

Monitored latch position micro-switch C./N.O./N.C.

Fail locked

Opening limited to electrical impulse duration

34602A**34604A**

Operating voltage : 12 Vdc – 230 mA

Operating voltage : 24Vdc – 170 mA

Fail safe

Opening limited to the duration of the lack of power

34802A**34804A**

Operating voltage : 12 Vdc – 300 mA

Operating voltage : 24Vdc – 140 mA

**34622****34624****SECURITY ELECTRIC STRIKE**

Monitored latch position micro-switch C./N.O./N.C.

Fail locked

Opening limited to electrical impulse duration

Operating voltage : 12 Vdc – 260 mA

Operating voltage : 24Vdc – 120 mA

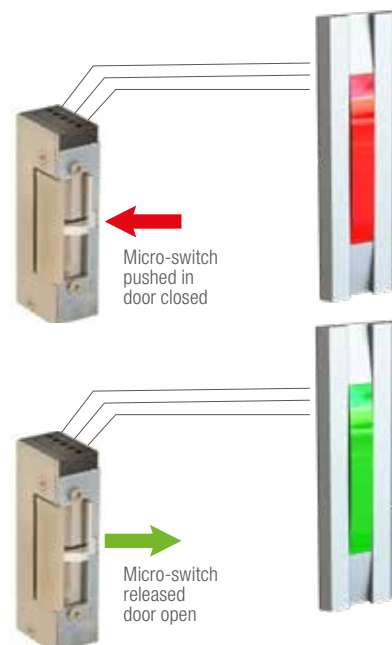
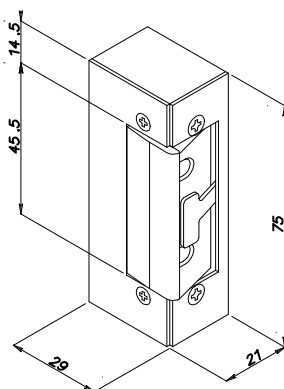
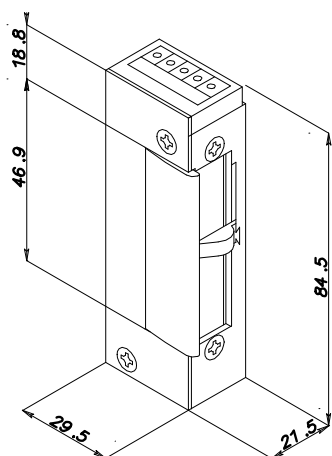
Fail safe

Opening limited to the duration of the lack of power

34822**34824**

Operating voltage : 12 Vdc – 200 mA

Operating voltage : 24Vdc – 120 mA



SECURITY ELECTRIC STRIKES FOR PANIC BARS OMNIA EXIT SERIES

Common mechanical character: Body in black painted metal. Latch block in metal, symmetrical - reversible. Destruction resisting power: 1,000 Kg. **Provided with n° 6 shims item 00360B**



Art.	Description
	SECURITY ELECTRIC STRIKE FOR PANIC BARS
	Fail locked
	Body in black painted metal, matt chrome on demand. Latch block in metal, symmetrical - reversible. Destruction resistance power: 1.000 Kg.
	Opening limited to electrical impulse duration
36012B	Operating voltage: 8/12 Vac/500 mA
36012BM	Operating voltage: 8/12 Vac/500 mA with microswitch C./ N.A./N.C.
36612B	Operating voltage: 12 Vdc/200 mA
36624B	Operating voltage: 24 Vdc/100 mA
36612BM	Operating voltage: 12 Vdc/200 mA with microswitch C./N.O./N.C.
36624BM	Operating voltage: 24 Vdc/100 mA with microswitch C./ N.A./N.C.
	Opening with electric pulse and relocking after door opening:
36412B	Operating voltage: 8-12 Vac/500 mA with internal hold open function
	Fail unlocked - Fail safe
36812B	Operating voltage: 12 Vdc/200 mA
36824B	Operating voltage: 24 Vdc/100 mA
36812BM	Operating voltage: 12 Vdc/200 mA with microswitch C./N.O./N.C.
36824BM	Operating voltage: 24 Vdc/100 mA with microswitch C./N.O./N.C.
ART. + CR	Matt chrome finish



00360B
00360BG

SHIMS FOR ELECTRIC STRIKE FOR SURFACE FIXING

2 mm. shims, to compensate for height of the electric strike with the panic bar latch

In Black ABS
In Grey ABS (for version CR))

NEW



36012C
36412C

ART. +CR

00360C

ELECTRIC STRIKE FOR PANIC BARS

Fail locked

Body in black painted metal, matt chrome on demand. Latch block in metal, symmetrical - reversible.

Power supply: 8/12 Vac/1000 mA

Destruction resistance power: **350 Kg.**

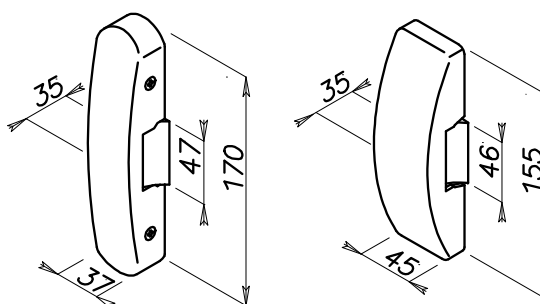
Opening limited to electrical impulse duration

Opening with electric pulse and relocking after door opening

Matt chrome finish

Provided with n° 7 shims item 00360C


1mm shim




Common mechanical characteristics: Body and latch block in metal, asymmetrical (determine hand). Destruction resisting power: 700 Kg.
Without striking plate (to be ordered separately – See page 97)

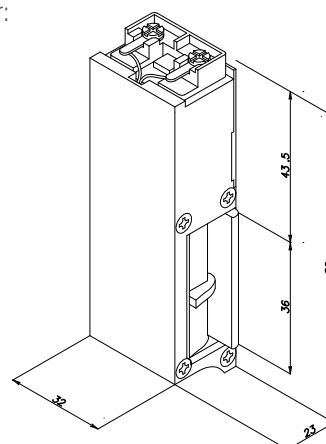
Use: electric strikes for armoured doors

See page 91 to set hand of the product

Art.	Description
	SECURITY ELECTRIC STRIKE
	Fail locked
	Opening limited to electrical impulse duration
	Operating voltage: 12 Vac - 1000 mA
	<u>Right hand</u>
	<u>Left hand</u>
37012.1A 37012.2A	
37612.1A 37612.2A	Operating voltage: 12 Vac - 150 mA
	<u>Right hand</u>
37624.1A 37624.2A	<u>Left hand</u>
	Operating voltage: 12 Vac - 150 mA
	<u>Right hand</u>
	<u>Left hand</u>

	AUTOMATIC SECURITY ELECTRIC STRIKE
	Fail locked
	Opening with electrical impulse.
	Relocking after door opening
	Operating voltage: 12 Vac - 1000 mA
	<u>Right hand - with lever for hold open function</u>
	<u>Left hand - with lever for hold open function</u>
	<u>Right hand - lever hold open function and mechanical unlocking</u>
	<u>Left hand - lever hold open function and mechanical unlocking</u>
	<u>Right hand - with internal hold open function</u>
	<u>Left hand - with internal hold open function</u>
	<u>Right hand - internal hold open function, mechanical unlocking</u>
	<u>Left hand - internal hold open function, mechanical unlocking</u>
37212.1A 37212.2A	
37312.1A 37312.2A	
37412.1A 37412.2A	
37512.1A 37512.2A	

	FAIL UNLOCKED SECURITY ELECTRIC STRIKE
	Blocked with power
	Opening limited to the duration of lack of power
	Operating voltage 12 Vdc - 200 mA power
	<u>Right hand</u>
	<u>Left hand</u>
37812.1A 37812.2A	
37824.1A 37824.2A	Operating voltage 24 Vdc - 150 mA power:
	<u>Right hand</u>
	<u>Left hand</u>



SECURITY ELECTRIC STRIKES OMNIA BLINDO 1.000 SERIES

Common mechanical characteristics: Body and latch block in metal, asymmetrical (determine hand).

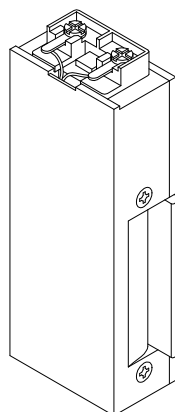
Destruction resisting power: 1,000 Kg. **Without striking plate (to be ordered separately – See page 94, 95 and 98)**

Use: electric strike for latch and deadbolt locks applied on gates exposed to precipitation

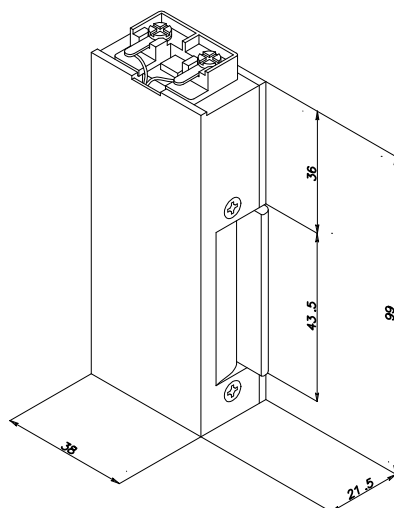
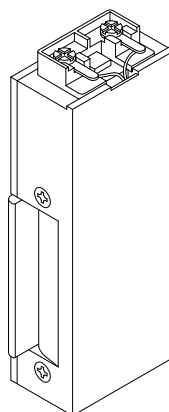


Art.	Description
	SECURITY ELECTRIC STRIKE
	Fail locked
	IP rating: IP56 (can operate outside)
	Without hold open function. Opening limited to electrical impulse duration
38012.1A	<u>Right hand - 12 Vac - 500 mA Power</u>
38012.2A	<u>Left hand - 12 Vac - 500 mA Power</u>
	Automatic with internal hold open function. Opening with electrical impulse. Relocking after door opening.
38412.1A	<u>Right hand - 12 Vac - 500 mA Power</u>
38412.2A	<u>Left hand - 12 Vac - 500 mA Power</u>
	On request:
38612.1/2A	<u>Security - 12 Vdc - 200 mA power:</u>
38624.1/2A	<u>Security - 24 Vdc - 150 mA power:</u>
38812.1/2A	<u>Anti-panic - 12 Vdc - 200 mA power:</u>
38824.1/2A	<u>Anti-panic - 24 Vdc - 150 mA power</u>

Right hand



Left hand



Common mechanical characteristics: Body and latch block in metal, asymmetrical. Supplied with striking plate in stainless steel

Use: electric strikes for glazed doors



Art.	Description
39012A	SECURITY ELECTRIC STRIKE FOR GLASS DOORS Fail locked Mortice electric strike for glazed doors – from 10 to 12 mm thick doors Opening limited to electrical impulse duration Operating voltage :12 Vdc Current absorption: 280 mA



39812A	SECURITY ELECTRIC STRIKE FOR GLASS DOORS Fail unlocked - Fail safe Mortice electric strike for glazed doors – from 10 to 12 mm thick doors Operating voltage: 12 Vdc Current absorption: 280 mA
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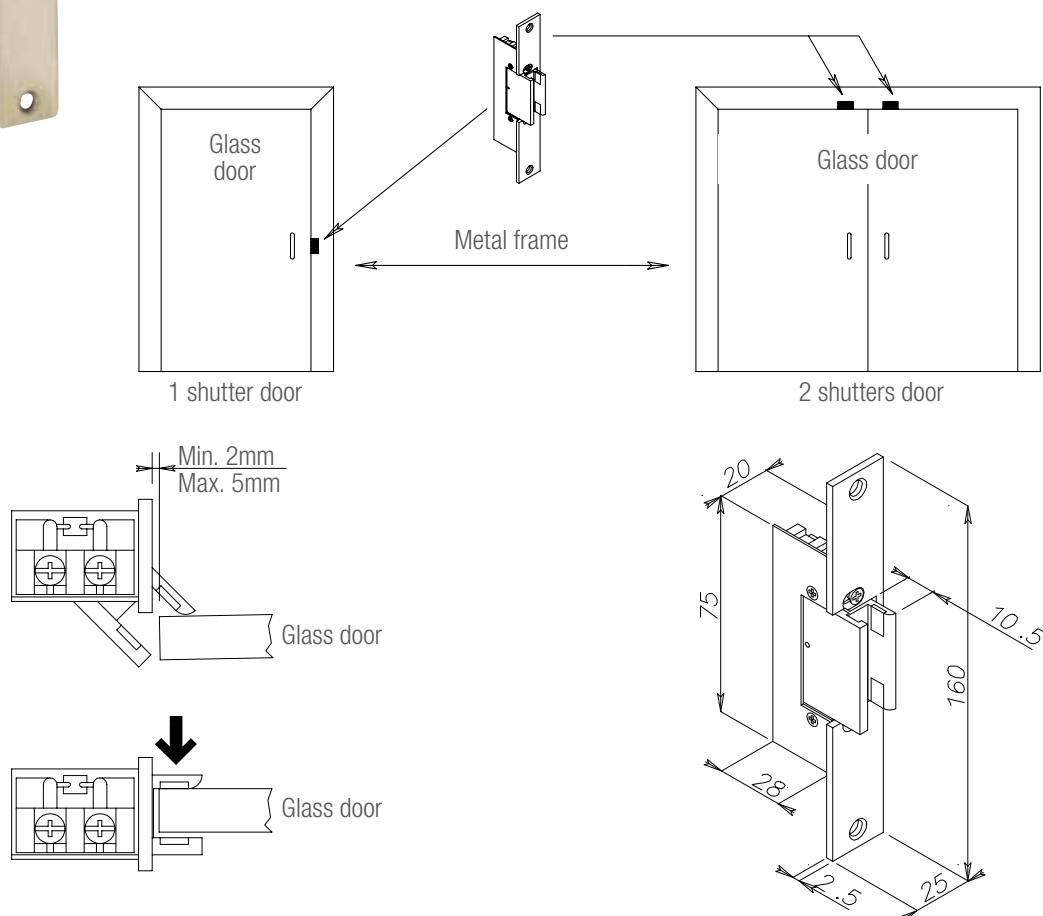
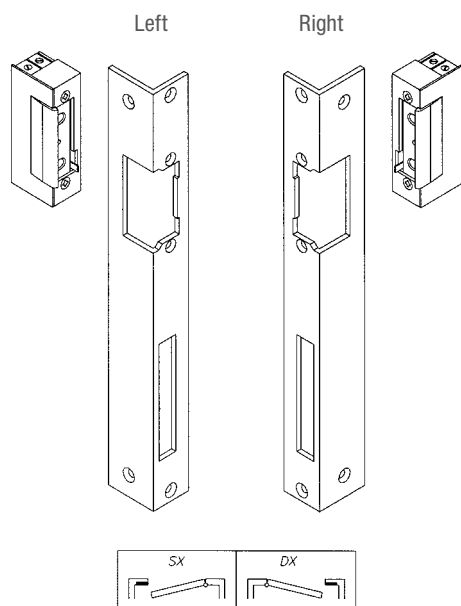
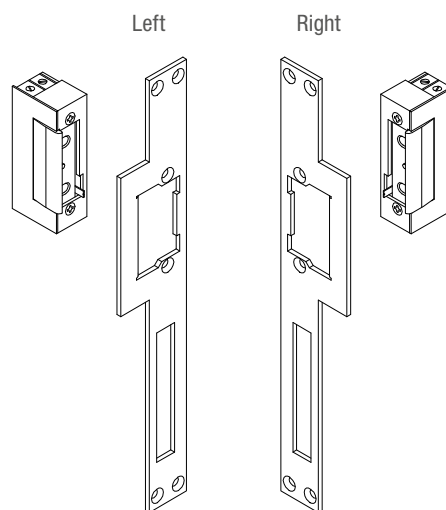


TABLE TO IDENTIFY THE HAND OF THE ELECTRIC STRIKE

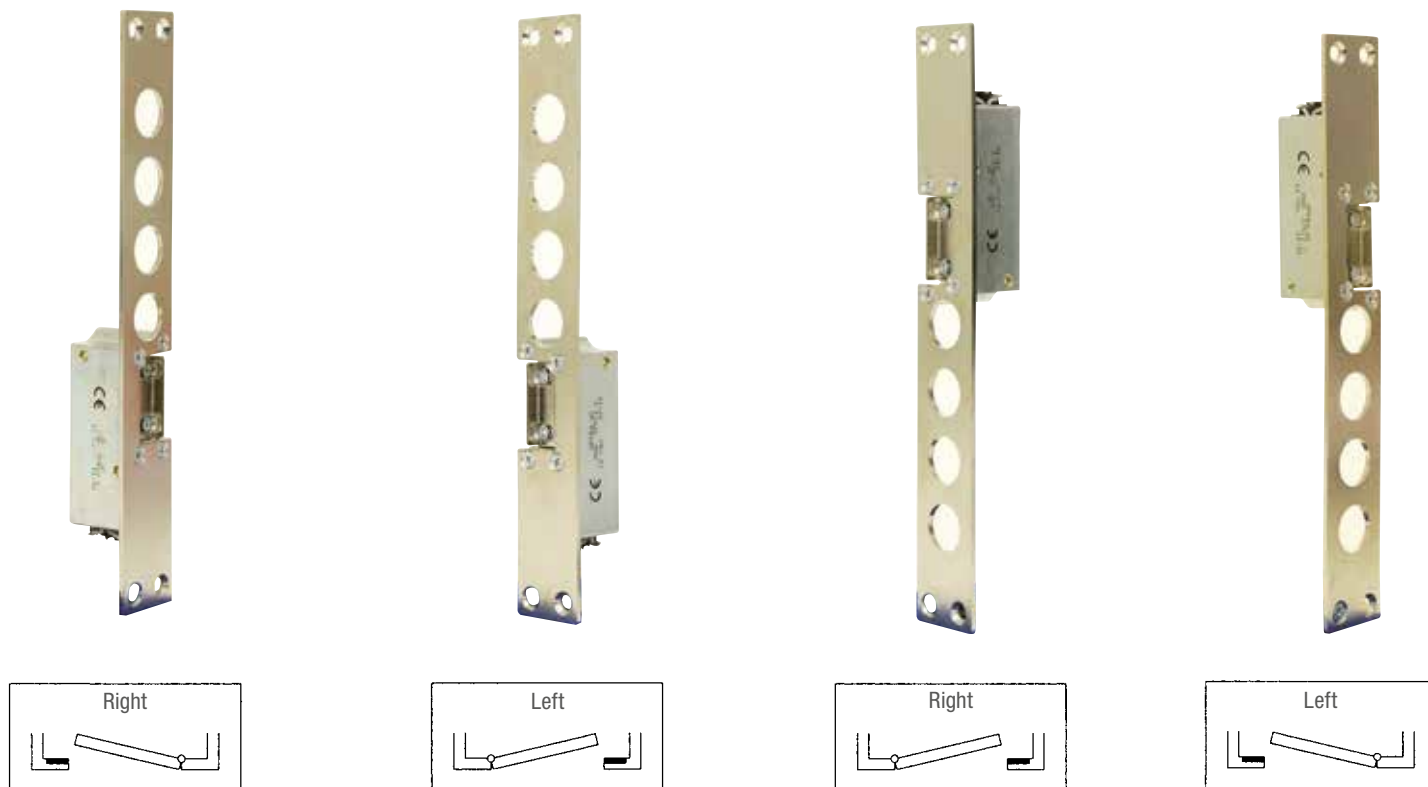
OMNIA range with angular front plate







OMNIA RADIAL serie



OMNIA BLINDO 700 series








Art.	Description
	03010 SHORT STRIKING PLATE Asymmetrical for latch locks only In grey painted steel Dimensions (mm): 160 x 25 x 3 – see drawing at page 100 Reversible hand Use: for all electric strikes Omnia Micro series, Omnia 1.000 series
	03010S SHORT STRIKING PLATE Symmetrical for latch locks only In grey painted steel Dimensions (mm): 110 x 25 x 3 - see drawing at page 100 Reversible hand Use: for all electric strikes Omnia Micro series, Omnia 1,000 series 3,50 03030 03030GD
	03030 LONG STRIKING PLATE For latch and deadbolt security locks. In grey painted steel Dimensions (mm): 250 x 25 x 3 - see drawing at page 100 Reversible hand <u>In grey painted steel</u> 03030GD <u>In gold painted steel</u> 03030CRO <u>In glazed chromium plated steel</u> Use: for all electric strikes Omnia Micro series, Omnia 1.000 series
	03030.1GDR LONG STRIKING PLATE For latch and deadbolt security locks. In gold painted steel Dimensions (mm): 250 x 25 x 2,5 - see drawing at page 100 Right or left hand <u>Right hand</u> 03030.2GDR <u>Left hand</u> Use: for all electric strikes Omnia Radial



STRIKING PLATE FOR ELECTRIC STRIKES






Art.	Description	
	<p>03031 LONG STRIKING PLATE For latch and deadbolt security locks. In stainless steel Dimensions (mm): 250 x 25 x 3 - see drawing at page 100 Reversible hand</p> <p>Use: for all electric strikes Omnia Micro series, Omnia 1.000 series</p>	
	<p>03130 LONG STRIKING PLATE For latch and deadbolt security locks, hole (mm) 102 x 12 for insertion in the swinging deadbolt. In grey painted steel Dimensions (mm): 250 x 25 x 3 - see drawing at page 100 Reversible hand</p> <p>Use: only for Omnia Micro series strikes</p>	
	<p>03131 LONG STRIKING PLATE For latch and deadbolt security locks, hole (mm) 102 x 12 for insertion in the swinging deadbolt. In stainless steel Dimensions (mm): 250 x 25 x 3 - see drawing at page 100 Reversible hand</p> <p>Use: only for Omnia Micro series strikes</p>	
	<p>03132 LONG STRIKING PLATE For latch and deadbolt security locks, tapered hole (mm) 102 x 12 for insertion in the swinging deadbolt. In stainless steel Dimensions (mm): 250 x 25 x 3 - see drawing at page 100 Reversible hand</p> <p>Use: only for Omnia Micro series strikes</p>	
	<p>03162 SHORT ANGULAR STRIKING PLA Only for latch locks - Squared edges In gold painted steel Dimensions (mm): 172 x 32 x 25 - see drawing at page 100 Reversible hand</p> <p>03162BA <u>Squared edges</u> <u>Rounds edges</u></p> <p>Use: for all electric strikes Omnia Micro series, Omnia 1.000 series</p>	











Art.	Description	
	<p>03310 SHORT STRIKING PLATE FOR OMNIA 16 - RADIAL Only for latch locks In grey painted steel Dimensions (mm): 130 x 22 x 3 - see drawing at page 100 Reversible hand</p> <p>Use: for all electric strikes Omnia 16 - Radial series for mortice fixing, mounted on wooden or PVC door profiles</p>	
	<p>03310R SHORT STRIKING PLATE FOR OMNIA RADIAL Only for latch locks In nickel plated steel Dimensions (mm): 130 x 22 x 3 - see drawing at page 100 Reversible hand</p> <p>Use: for all electric strikes Omnia Radial series for mortice fixing, mounted on wooden or PVC door profiles</p>	
	<p>03330 LONG STRIKING PLATE FOR OMNIA 16 - RADIAL For latch and deadbolt security locks In grey painted steel Dimensions (mm): 250 x 22 x 3 - see drawing at page 100 Reversible hand</p> <p>Use: for all electric strikes Omnia 16 - Radial series for mortice fixing, mounted on wooden or PVC door profiles</p>	
	<p>03331 LONG STRIKING PLATE FOR OMNIA 16 - RADIAL For latch and deadbolt security locks In stainless steel Dimensions (mm): 250 x 22 x 3 - see drawing at page 100 Reversible hand</p> <p>Use: for all electric strikes Omnia 16 - Radial series for mortice fixing, mounted on wooden door/window profiles</p>	
	<p>03342.1 03342.2 LONG ANGULAR STRIKING PLATE FOR OMNIA 16 - RADIAL For latch and deadbolt security locks In zinc plated steel with short side flank Dimensions (mm): 208 x 36 x 18 - see drawing at page 101 Not reversible – Specify hand <u>Right hand</u> <u>Left hand</u></p> <p>Use: for all electric strikes Omnia 16 – Radial series for mortice fixing, mounted on wooden door profiles</p>	



STRIKING PLATE FOR ELECTRIC STRIKES

Art.	Description	
 03370.1 03370.2 03370R	<p>LONG STRIKING PLATE FOR OMNIA BLINDO 700 For security locks for armoured doors latch and 4 deadbolts backset (mm) 28 In polished nickel plated steel Dimensions (mm): 248 x 35 x 2.5 - see drawing at page 101 Not reversible – Specify hand - see page 93 Right hand Left hand Reversible</p> <p>Use: or all electric strikes Omnia Blindo 700 series</p>	
 03371.1 03371.2	<p>LONG STRIKING PLATE FOR OMNIA BLINDO 700 For security locks for armoured doors latch and 4 deadbolts backset (mm) 28 (41.6 mm between latch and deadbolt) In polished nickel plated steel Dimensions (mm): 322 x 35 x 2,5 - see drawing at page 101 Not reversible – Specify hand - see page 93 Right hand Left hand</p> <p>Use: for all electric strikes Omnia Blindo 700 series</p>	
 03372	<p>LONG STRIKING PLATE FOR OMNIA MICRO For security locks for armoured doors latch and 2 deadbolts backset (mm) 55.6 In polished nickel plated steel Dimensions (mm): 293 x 32 x 2,5 - see drawing at page 101 Reversible hand</p> <p>Use: for all electric strikes Omnia Micro series</p>	
 03374.1 03374.2 03374R	<p>LONG STRIKING PLATE FOR OMNIA BLINDO 700 For security locks and 3 deadbolts backset (mm) 37 In polished nickel plated steel Dimensions (mm): 248 x 35 x 2.5 - see drawing at page 101 Not reversible – Specify hand - see page 93 Right hand Left hand Reversible</p> <p>Use: for all electric strikes Omnia Blindo 700 series</p>	
 03375.1 03375.2	<p>LONG STRIKING PLATE FOR OMNIA BLINDO 700 For security locks and 4 deadbolts backsets (mm) 28 (33.5 mm between latch and deadbolt) In polished nickel plated steel Dimensions (mm): 322 x 35 x 2,5 - see drawing at page 101 Not reversible – Specify hand - see page 93 Right hand Left hand</p> <p>Use: for all electric strikes Omnia Blindo 700 series</p>	

Art.	Description	
	03410 SHORT STRIKING PLATE Only for latch locks In hardened anodized aluminium. Dimensions (mm): 160 x 25 x 3 - see drawing at page 100 Reversible hand Use: for all electric strikes Omnia Micro and Omnia 1.000 series for mortice fixing	
	03411 SHORT STRIKING PLATE Only for latch locks In stainless steel Dimensions (mm): 160 x 25 x 3 - see drawing at page 100 Reversible hand Use: for all electric strikes Omnia Micro series, Omnia 1.000	
	03431 LONG STRIKING PLATE For latch and deadbolt locks In stainless steel Dimensions (mm): 280 x 25.5 x 3 - see drawing at page 100 Reversible hand Use: for replacement of security type electric strikes eff-eff series 141, 331 and 341 with Omnia 1,000 series for mortice fixing	
	03442.1 03442.2 03442.1BA 03442.2BA LONG ANGULAR STRIKING PLATE For latch and deadbolt security locks In gold painted steel Dimensions (mm): 250 x 32 x 25 - see drawing at page 101 Not reversible – Specify hand <u>Right hand - square edges</u> <u>Left hand - square edges</u> <u>Right hand - round edges</u> <u>Left hand - round edges</u> Use: for all electric strikes Omnia Micro series, Omnia 1.000	
 	03445.1 03445.2 03445.1GD 03445.2GD LONG ANGULAR STRIKING PLATE For latch and deadbolt security locks Dimensions (mm): 265 x 30 x 26 - see drawing at page 101 Not reversible – Specify hand <u>Right hand - in satin nickel plated steel</u> <u>Left hand - in satin nickel plated steel</u> <u>Right hand - in satin brass steel</u> <u>Left hand - in satin brass steel</u> Use: for all electric strikes Omnia Micro series, Omnia 1.000	
 	03446.1 03446.2 03446.1GD 03446.2GD LONG ANGULAR STRIKING PLATE For latch and deadbolt security locks Dimensions (mm): 265 x 30 x 26 - see drawing at page 101 Not reversible – Specify hand <u>Right hand - in satin nickel plated steel</u> <u>Left hand - in satin nickel plated steel</u> <u>Right hand - in gold plated steel</u> <u>Left hand - in gold plated steel</u> Use: for electric strike 31012DCF and 31412F	



Art.

Description

08710

LATCH LOCK

Body in grey painted steel

Dimensions (mm): 30 x 15 x 15

Striking plate in grey painted steel

Dimensions (mm): 55 x 20 x 3

Latch in nickel plated steel (mm) 12 x 10 mm extension

Reversible hand

Use: for all electric strikes Omnia series for mortice fixing

08711A

LATCH LOCK

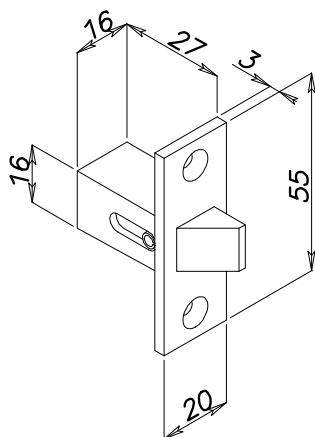
Body in aluminium

Dimensions (mm): 110 x 24 x 3

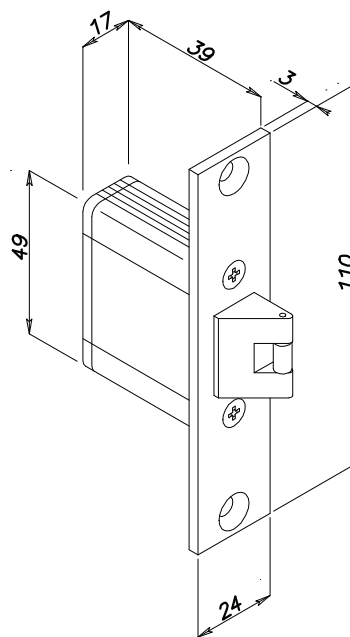
Front plate in stainless steel -

Latch in nickel plated steel height (mm) 22

Reversible hand

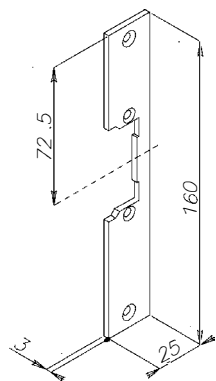
Use: for all electric strikes Omnia series for mortice fixing

08710

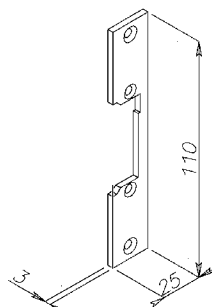


08711A

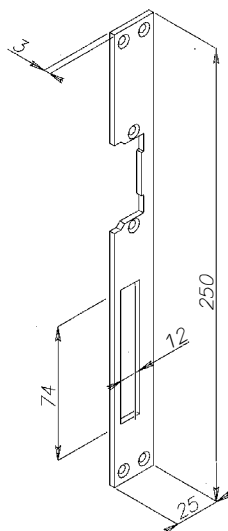




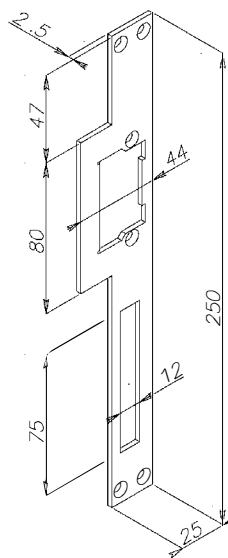
Art. 03010
Art. 03410
Art. 03411



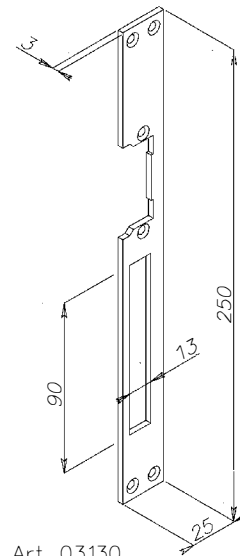
Art. 03010S



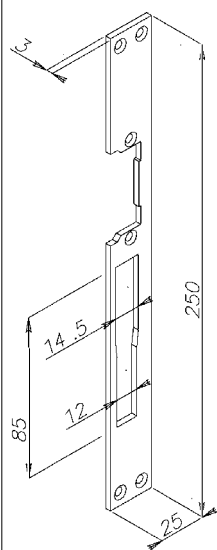
Art. 03030
Art. 03030 GD
Art. 03031



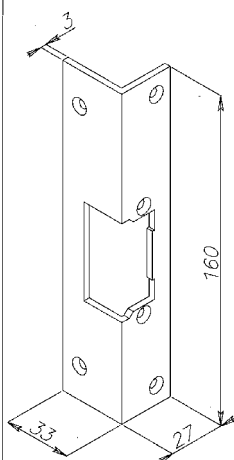
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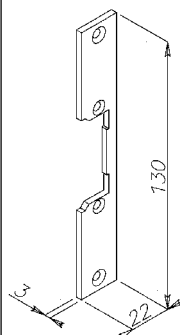
Art. 03130
Art. 03131



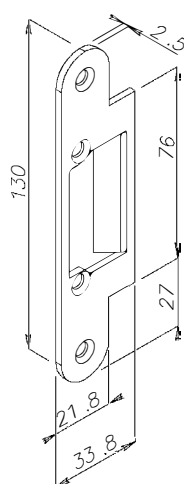
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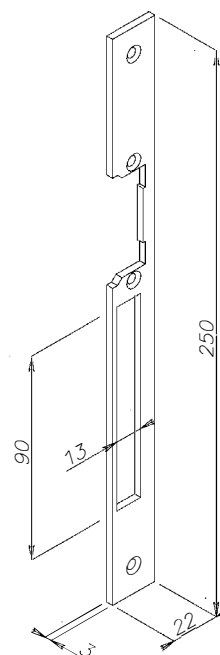
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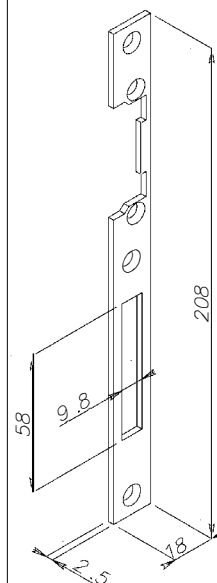
Art. 03310



Art. 03310R

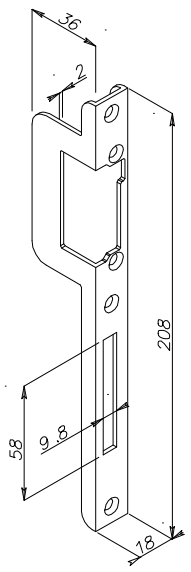
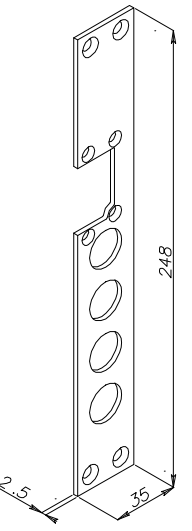
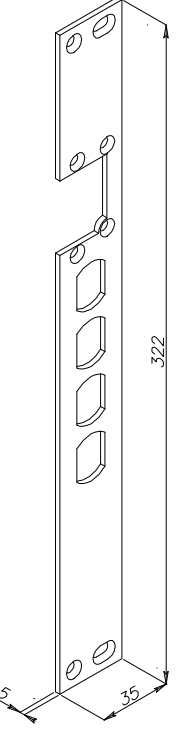
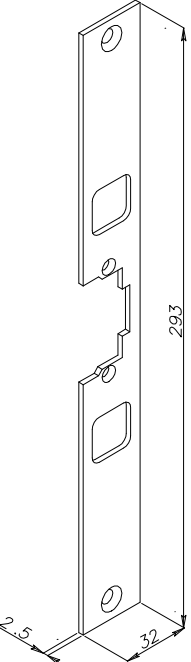
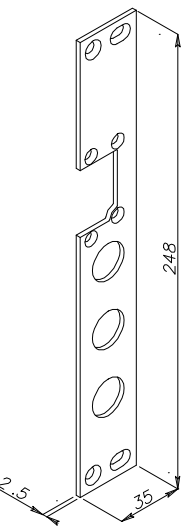
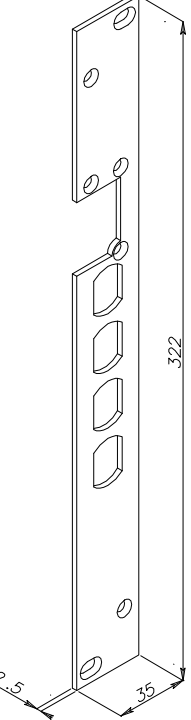
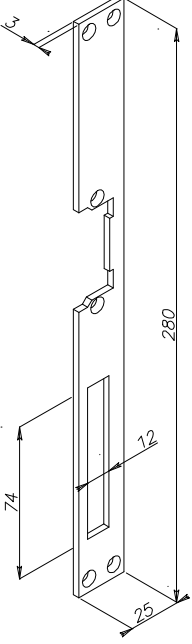
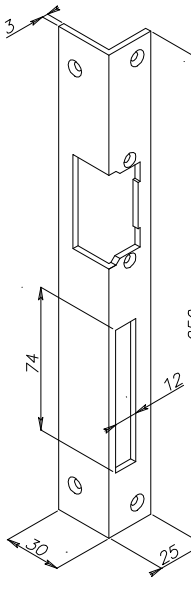
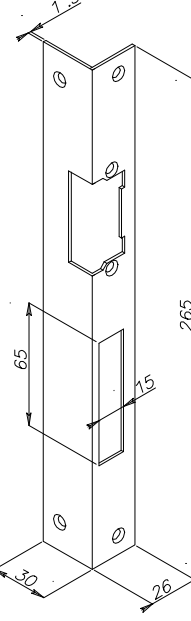
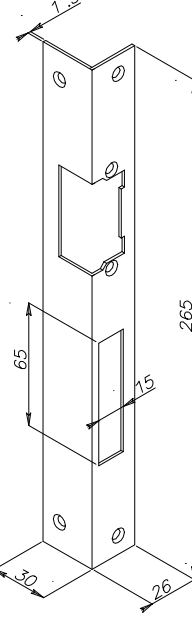


Art. 03330



Art. 03331

DIMENSIONS OF STRIKING PLATES FOR ELECTRIC STRIKES

 <p>Art. 03342</p>	 <p>Art. 03370</p>	 <p>Art. 03371</p>	 <p>Art. 03372</p>	 <p>Art. 03374</p>
 <p>Art. 03375</p>	 <p>Art. 03431</p>	 <p>Art. 03442</p>	 <p>Art. 03445</p>	 <p>Art. 03446</p>

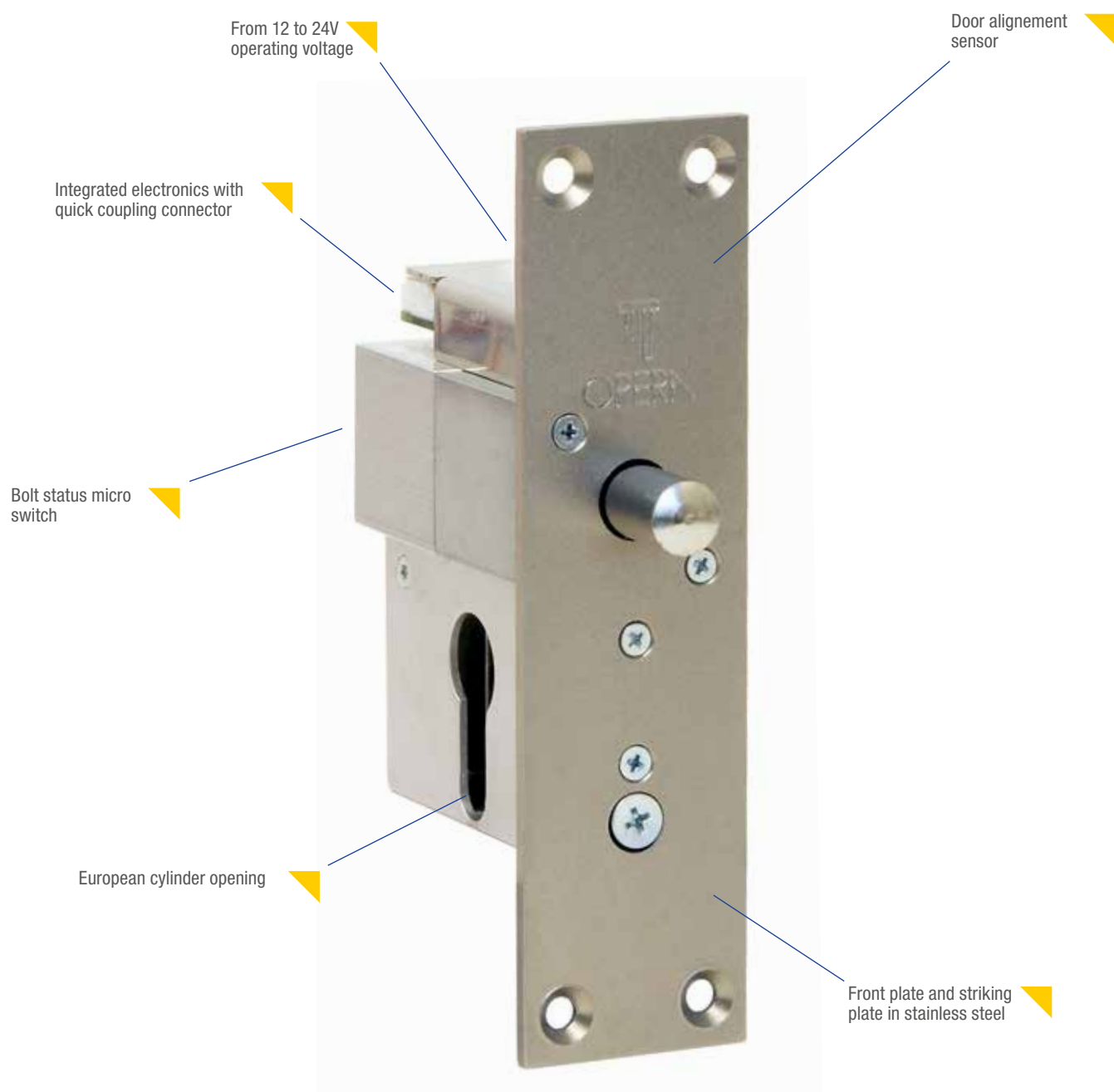


IQUADRA

- ▶ HORIZONTAL SECURITY SOLENOID LOCKS
- ▶ APPLICATION ON DOORS AND ROLLING SHUTTERS
- ▶ MICRO VERSION FOR CABINETS AND WINDOWS APPLICATION
- ▶ MANUAL ACTIVATION WITH EUROPEAN CYLINDER
- ▶ EASY INSTALLATION







PLUS

- ▶ Reduced size Quadra Micro version for cabinets and doors closing
- ▶ Quadra version for doors and rolling shutters closing
- ▶ Easy operating system by direct current power supply
- ▶ Fail safe or fail secure versions
- ▶ Integrated electronics versions



DOOR WITH ELECTRONIC LOCK AND INTEGRATED ELECTRONICS

INTERNAL OPENING



EXTERNAL OPENING



CONTROLLED OPENING



PLUS EXAMPLE

- Mortice closing system for metal or aluminium door frames
- Rim versions as supplementary closing system
- Ideal as closing system for cabinets managed by access control units
- To be matched to access control systems



Art.

Description

**20610-12****20611-12****20610-24****20611-24****MICRO SOLENOID LOCK - FAIL SAFE**

Open without power

Striking plate in stainless steel (mm) 80 x 25 x 3

Armature plate in stainless steel (mm) 80 x 25 x 3

with magnet adjustable in extension (only Art. 20610)

Deadbolt diameter (mm) 8, extension 8

Operating voltage: 12 Vdc/400mA or 24Vdc/200mA - ED 100%

Mode of operation: horizontal (vertical on request see page 117)

Deadbolt position micro-switch C./N.O./N.C

12V - with N.O magnetic sensor*12V - without magnetic sensor24V - with N.O. magnetic sensor*24V - without magnetic sensor

* For connection to central control unit 54610 or 54710

20612**MICRO SOLENOID LOCK WITH INTERNAL ELECTRONIC**

Fail safe

Front plate and striking plate in stainless steel mm 80 x 25 x 4

Striking plate with adjustable magnet for door status position

Bolt dimensions: diameter 8mm, extension 8

Operating voltage: 12Vdc - 400 mA peak, 270 mA for maintenance

24Vdc - 300 mA peak, 150 mA for maintenance

Internal microprocessor control electronic

Rapid plug-in connector

Bolt position free voltage contact C. / N.O. / N.C.

Push buttons for monitoring and adjustment of reclosing times from 0-5 sec. to approach of door and from 0-60 sec. if the door is not opened

Mode of operation: horizontal (vertical on request see page 117)

**MICRO SOLENOID LOCK - FAIL SAFE**

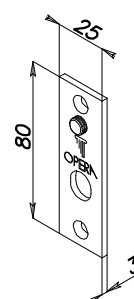
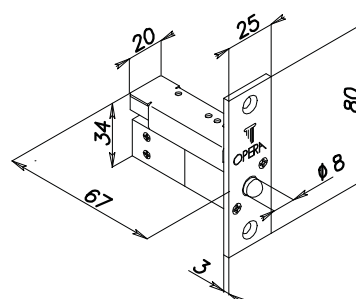
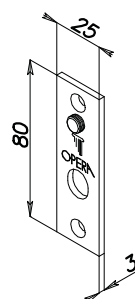
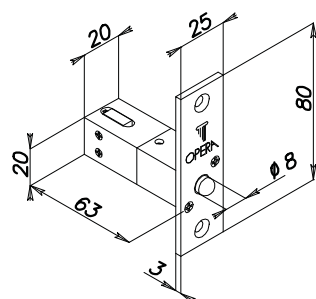
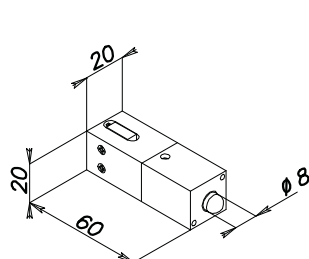
Open without power

Deadbolt diameter (mm) 8, extension 11 mm (8 mm. stroke)

Operating voltage: 12 Vdc/400mA or 24Vdc/200mA - ED 100%

Mode of operation: horizontal (vertical on request see page 117)

Deadbolt position micro-switch C./N.O./N.C

**20613-12****20613-24**12Vdc24Vdc

Note: The Quadra Micro series solenoid lock, due to the high operating temperatures, are not suitable for mounting on wood or PVC doors

HORIZONTAL SECURITY SOLENOID LOCKS QUADRA MICRO SERIES

Art.	Description
	MICRO SOLENOID LOCK - FAIL SECURE Closed without power Striking plate in stainless steel (mm) 80 x 25 x 3 Armature plate in stainless steel (mm) 80 x 25 x 3 with magnet adjustable in extension (only Art. 20810) Deadbolt diameter (mm) 8, extension 8 Operating voltage: 12 Vdc/400mA or 24Vdc/200mA - ED 100% Mode of operation: horizontal (vertical on request see page 117) Deadbolt position micro-switch C./N.O./N.C
20810-12	<u>12V - With N.O. magnetic door position sensor*</u>
20811-12	<u>12V - Without magnetic sensor</u>
20810-24	<u>24V - With N.O. magnetic door position sensor*</u>
20811-24	<u>24V - Without magnetic sensor</u>

* For connection to central control unit 54610 or 54710

20812

MICRO SOLENOID LOCK WITH INTERNAL ELECTRONIC

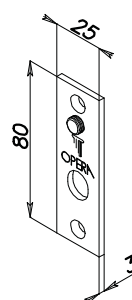
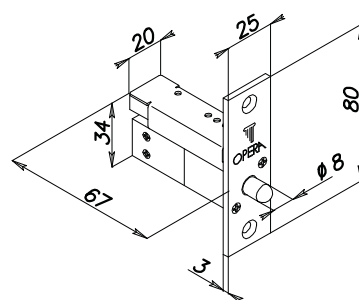
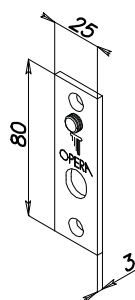
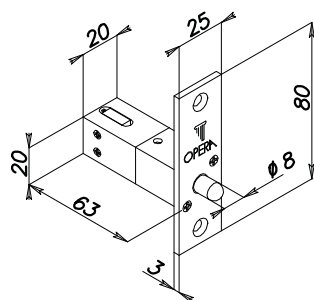
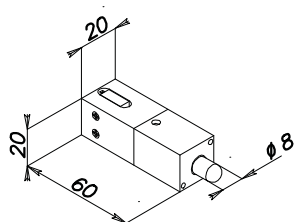
Fail secure
 Front plate and striking plate in stainless steel mm 80 x 25 x 3
 Striking plate with adjustable magnet for door status position
 Bolt dimensions: diameter 8 mm, extension 8
 Operating voltage: 12Vdc - 400 mA peak, 270 mA for maintenance
 24Vdc - 300 mA peak, 150 mA for maintenance
 Internal microprocessor control electronic
 Rapid plug-in connector
 Bolt position free voltage contact C. / N.O. / N.C.
 Push buttons for monitoring and adjustment of reclosing times from 0-5 sec. to approach of door and from 0-60 sec. if the door is not opened
 Mode of operation: horizontal (vertical on request see page 117)

MICRO SOLENOID LOCK - FAIL SECURE

Closed without power
 Deadbolt diameter (mm) 8, extension 11 (8 mm. stroke)
 Operating voltage: 12 Vdc/400mA or 24Vdc/200mA - ED 100%
 Mode of operation: horizontal (vertical on request see page 117)
 Deadbolt position micro-switch C./N.O./N.C

20813-12
20813-24

12 V
24 V



Art.

Description



20910-12

20911-12

20910-24

20911-24

MICRO SOLENOID LOCK WITH LATCH

Closed without power

Striking plate in stainless steel (mm) 80 x 25 x 3

Armature plate in stainless steel (mm) 80 x 25 x 3 with magnet adjustable in extension (only Art. 20910)

Latch diameter (mm) 8, extension 8

Operating voltage: 12 Vdc/400mA or 24Vdc/200mA - ED 100%

Mode of operation: horizontal (vertical on request see page 117)

Deadbolt position micro-switch C./N.O./N.C

12V - With N.O. magnetic door position sensor12V - Without magnetic sensor24V - With N.O. magnetic door position sensor24V - Without magnetic sensor

20913-12

20913-24

MICRO SOLENOID LOCK WITH LATCH

Closed without power

Latch diameter (mm) 8, extension 12 (8 mm. stroke)

Operating voltage: 12 Vdc/400mA or 24Vdc/200mA - ED 100%

Mode of operation: horizontal (vertical on request see page 117)

Deadbolt position micro-switch C./N.O./N.C

12 V24 V

20910A-12

20911A-12

20910A-24

20911A-24

MICRO SOLENOID LOCK WITH LATCH - FAIL SAFE

Open without power

Striking plate in stainless steel (mm) 80 x 25 x 3

Armature plate in stainless steel (mm) 80 x 25 x 3

with magnet adjustable in extension (only Art. 20910A)

Latch diameter (mm) 8, extension 8

Operating voltage: 12 Vdc/400mA or 24Vdc/200mA - ED 100%

Mode of operation: horizontal (vertical on request see page 117)

Deadbolt position micro-switch C./N.O./N.C

12V - With N.O. magnetic door position sensor12V - Without magnetic sensor24V - With N.O. magnetic door position sensor24V - With magnetic sensor

20913A-12

20913A-24

MICRO SOLENOID LOCK WITH LATCH - FAIL SAFE

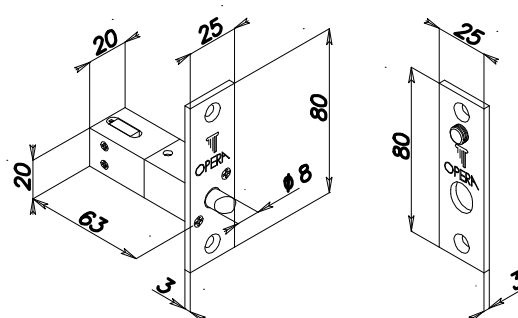
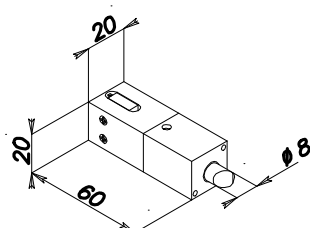
Open without power

Latch diameter (mm) 8, extension 12 (8 mm. stroke)


Operating voltage: 12 Vdc/400mA or 24Vdc/200mA - ED 100%


Mode of operation: horizontal (vertical on request see page 117)

Deadbolt position micro-switch C./N.O./N.C




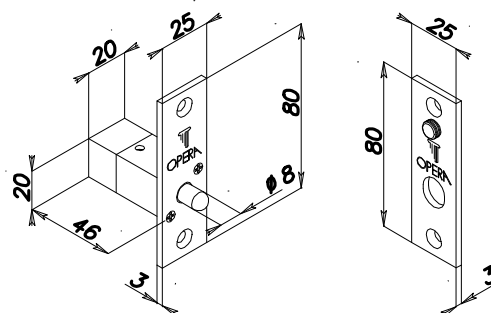
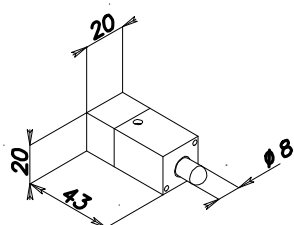
HORIZONTAL SECURITY SOLENOID LOCKS QUADRA MICRO SERIES

Art.	Description
	MICRO SOLENOID LOCK - FAIL SAFE Open without power Striking plate in stainless steel (mm) 80 x 25 x 3 Armature plate in stainless steel (mm) 80 x 25 x 3 with magnet adjustable in extension (only Art. 20610XS) Deadbolt diameter (mm) 8, extension 8 Operating voltage: 12 Vdc/400mA or 24Vdc/200mA - ED 100% Mode of operation: horizontal (vertical on request see page 117)
20610XS-12	<u>12V - With N.O. magnetic door position sensor</u>
20611XS-12	<u>12V - Without magnetic sensor</u>
20610XS-24	<u>24V - With N.O. magnetic door position sensor</u>
20611XS-24	<u>24V - Without magnetic sensor</u>

	MICRO SOLENOID LOCK - FAIL SAFE Open without power Deadbolt diameter (mm) 8, extension 11 (8 mm. stroke) Operating voltage: 12 Vdc/400mA or 24Vdc/200mA - ED 100% Mode of operation: horizontal (vertical on request see page 117)
20613XS-12	<u>12 V</u>
20613XS-24	<u>24 V</u>
Art. + AM	<u>On request: mechanical release with knob (see page 113)</u>

	MICRO SOLENOID LOCK - FAIL SECURE Closed without power Striking plate in stainless steel (mm) 80 x 25 x 3 Armature plate in stainless steel (mm) 80 x 25 x 3 with magnet adjustable in extension (only Art. 20810XS) Deadbolt diameter (mm) 8, extension 8 Operating voltage: 12 Vdc/400mA or 24Vdc/200mA - ED 100% Mode of operation: horizontal (vertical on request see page 117)
20810XS-12	<u>12V - With N.O. magnetic door position sensor</u>
20811XS-12	<u>12V - Without magnetic sensor</u>
20810XS-24	<u>24V - With N.O. magnetic door position sensor</u>
20811XS-24	<u>24V - Without magnetic sensor</u>

	MICRO SOLENOID LOCK - FAIL SECUREE Closed without power Deadbolt diameter (mm) 8, extension 11 (8 mm. stroke) Operating voltage: 12 Vdc/400mA or 24Vdc/200mA - ED 100% Mode of operation: horizontal (vertical on request see page 117)
20813XS-12	<u>12 V</u>
20813XS-24	<u>24 V</u>
Art. + AM	<u>On request: mechanical release with knob (see page 113)</u>



Art.

Description

**20910XS-12****20911XS-12****20910XS-24****20911XS-24****MICRO SOLENOID LOCK WITH LATCH - FAIL SECURE**

Closed without power

Striking plate in stainless steel (mm) 80 x 25 x 3

Armature plate in stainless steel (mm) 80 x 25 x 3

with magnet adjustable in extension (only Art. 20910XS)

Latch diameter (mm) 8, extension 8

Operating voltage: 12 Vdc/400mA or 24Vdc/200mA - ED 100%

Mode of operation:horizontal (vertical on request see page 117)

12V - With N.O. magnetic door position sensor12V - Without magnetic sensor24V - With N.O. magnetic door position sensor24V - Without magnetic sensor**20913XS-12****20913XS-24****MICRO SOLENOID LOCK WITH LATCH - FAIL SECURE**

Closed without power

Latch diameter (mm) 8, extension 11 (8 mm. stroke)

Operating voltage: 12 Vdc/400mA or 24Vdc/200mA - ED 100%

Mode of operation:horizontal (vertical on request see page 117)

Art. + AM**On request:** mechanical release with knob (see page 113)**20910XSA-12****20911XSA-12****20910XSA-24****20911XSA-24****MICRO SOLENOID LOCK WITH LATCH - FAIL SAFE**

Open without power

Striking plate in stainless steel (mm) 80 x 25 x 3

Armature plate in stainless steel (mm) 80 x 25 x 3

with magnet adjustable in extension (only Art. 20910XSA)

Latch diameter (mm) 8, extension 8

Operating voltage: 12 Vdc/400mA or 24Vdc/200mA - ED 100%

Mode of operation:horizontal (vertical on request see page 117)

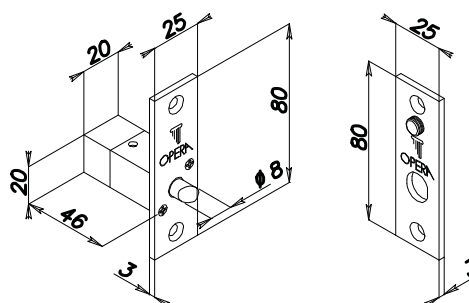
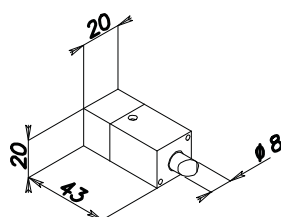
12V - With N.O. magnetic door position sensor12V - Without magnetic sensor24V - With N.O. magnetic door position sensor24V - Without magnetic sensor**20913XSA-12****20913XSA-24****MICRO SOLENOID LOCK WITH LATCH - FAIL SAFE**

Open without power

Latch diameter (mm) 8, extension 11 mm (8 mm. stroke)

Operating voltage: 12 Vdc/400mA or 24Vdc/200mA - ED 100%

Mode of operation:horizontal (vertical on request see page 117)

Art. + AM**On request:** mechanical release with knob (see page 113)

HORIZONTAL SECURITY SOLENOID LOCKS QUADRA MICRO SERIES

Art.

Description

SECURITY SOLENOID LOCK - FAIL SAFE

Open without power

Striking plate in stainless steel mm 100 x 40 x 3

Armature plate in stainless steel mm 100 x 40 x 3

with magnet adjustable in extension (only Art. 21610)

Deadbolt diameter (mm) 12, extension 18

Operating voltage: 12 Vdc/900mA or 24Vdc/450mA - ED 100%

Mode of operation: horizontal (vertical on request see page 117)

Deadbolt position micro-switch C./N.O./N.C

With N.O. magnetic door position sensor *Without magnetic sensor

* For connection to central control unit 54610 or 54710

21610
21611

SOLENOID LOCK WITH INTERNAL ELECTRONIC - FAIL SAFE

Open without power

Front plate and striking plate in stainless steel mm 100 x 40 x 3

Striking plate mm 100 x 40 x 3 with adjustable magnet for door status position

Bolt dimensions: diameter 12 mm, extension 18

Operating voltage: 12Vdc - 800 mA peak, 550 mA for maintenance

24Vdc - 500 mA peak, 350 mA for maintenance

Internal microprocessor control electronic

Rapid plug-in connector

Bolt position free voltage contact C. / N.O. / N.C.

Push buttons for monitoring and adjustment of reclosing times from 0-5 sec. To approach of door and from 0-60 sec. If the door is not opened

Mode of operation: horizontal (vertical on request see page 117)

21612

21613

SECURITY SOLENOID LOCK - FAIL SAFE

Open without power

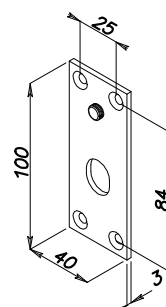
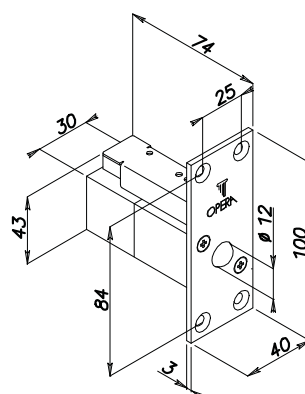
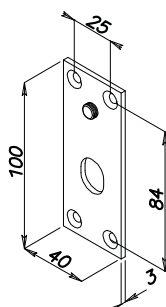
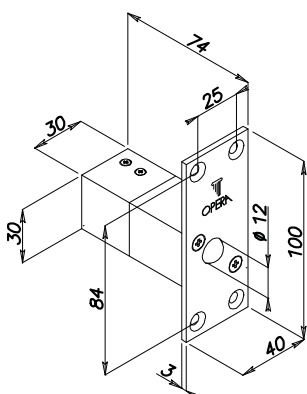
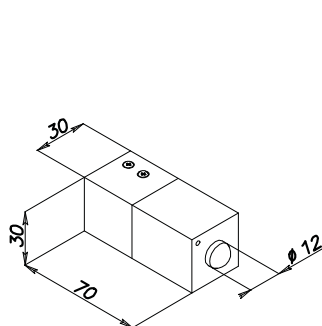
Deadbolt diameter (mm) 12, extension 21 (18 mm. stroke)

Operating voltage: 12 Vdc/900mA or 24Vdc/450mA - ED 100%

Mode of operation: horizontal (vertical on request see page 117)

Deadbolt position micro-switch C./N.O./N.C

Art. + AM

On request: mechanical release with knob (see page 113)

Art.

Description

21810
21811**SECURITY SOLENOID LOCK - FAIL SECURE**

Closed without power

Striking plate in stainless steel mm 100 x 40 x 3

Armature plate in stainless steel mm 100 x 40 x 3

with magnet adjustable in extension (only Art. 21810)

Deadbolt diameter (mm) 12, extension 18

Operating voltage: 12 Vdc/900mA or 24Vdc/450mA - ED 100%

Mode of operation: horizontal (vertical on request see page 117)

Deadbolt position micro-switch C./N.O./N.C

With N.O. magnetic door position sensor *Without magnetic sensor

* For connection to central control unit 54610 or 54710

21812

SECURITY SOLENOID LOCK WITH INTERNAL ELECTRONIC - FAIL SECURE

Front plate and striking plate in stainless steel mm 100 x 40 x 3

Striking plate mm 100 x 40 x 3 with adjustable magnet for door status position

Bolt dimensions: diameter 12 mm, extension 18 mm

Operating voltage:

12Vdc - 800 mA peak, 450 mA for maintenance

24Vdc - 500 mA peak, 250 mA for maintenance

Internal microprocessor control electronic

Rapid plug-in connector

Bolt position free voltage contact C. / N.O. / N.C.

Push buttons for monitoring and adjustment of reclosing times from 0-5 sec. To approach of door and from 0-60 sec. If the door is not opened.

Mode of operation: horizontal (vertical on request see page 117)

21813

SECURITY SOLENOID LOCK - FAIL SECURE

Closed without power

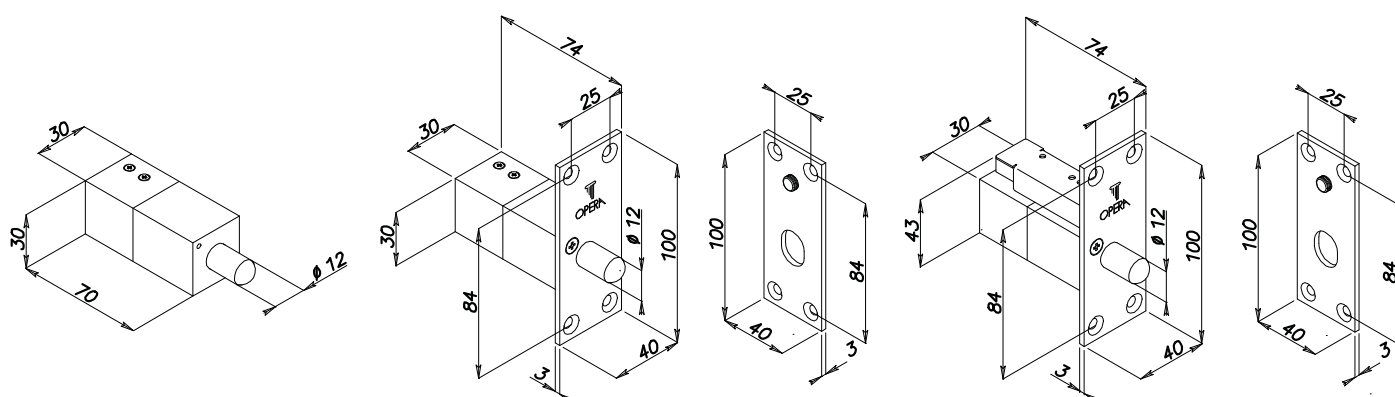
Deadbolt diameter (mm) 12, extension 21 (18 mm. stroke)

Operating voltage: 12 Vdc/900mA or 24Vdc/450mA - ED 100%

Mode of operation: horizontal (vertical on request see page 117)

Deadbolt position micro-switch C./N.O./N.C

Art. + AM

On request: mechanical release with knob (see page 113))

Note: The Quadra Micro series solenoid lock, due to the high operating temperatures, are not suitable for mounting on wood or PVC doors

HORIZONTAL SECURITY SOLENOID LOCKS QUADRA MICRO SERIES



Art.

Description

SECURITY SOLENOID LOCK WITH LATCH - FAIL SECURE

Closed without power

Striking plate in stainless steel (mm) 100 x 40 x 3

Armature plate in stainless steel (mm) 100 x 40 x 3

with magnet adjustable in extension (only Art. 21910)

Lock body dimensions (mm): 70 x 30 x 30 See drawing at page 112

Latch diameter (mm) 12, extension 14 mm.

Operating voltage: 12 Vdc/900mA or 24Vdc/450mA - ED 100%

Mode of operation: horizontal (vertical on request see page 117)

Monitored latch position micro-switch C./N.O./N.C

21910With N.O. magnetic door position sensor**21911**Without magnetic sensor**21913****SECURITY SOLENOID LOCK WITH LATCH - FAIL SECURE**

Closed without power

Lock body dimensions (mm) 70 x 30 x 30: See drawing at page 112

Latch diameter (mm) 12, extension 17 mm (14 mm. stroke)

Operating voltage: 12 Vdc/900mA or 24Vdc/450mA - ED 100%

Mode of operation: horizontal (vertical on request see page 117)

Monitored latch position micro-switch C./N.O./N.C

Art. + AMOn request: mechanical release with knob (see below))

MECHANICAL RELEASE WITH KNOB



1



2



3



4

Art.

Description



21614
21615
Art. + S

SECURITY SOLENOID LOCK – FAIL SAFE

Open without power
Operating voltage: 12 Vdc/900mA
or 24Vdc/450mA - ED 100%
Deadbolt diameter (mm) 12, extension 18 mm.
Ready for European profile cylinder for key opening
Mode of operation: horizontal (vertical on request see page 117)
Deadbolt position micro-switch C./N.O./N.C

With N.O. magnetic door position sensor *
Without magnetic sensor
With cylinder with needle key

* For connection to central control unit 54610 or 54710

21616

SOLENOID LOCK WITH INTERNAL ELECTRONIC - FAIL SAFE

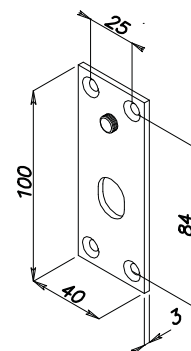
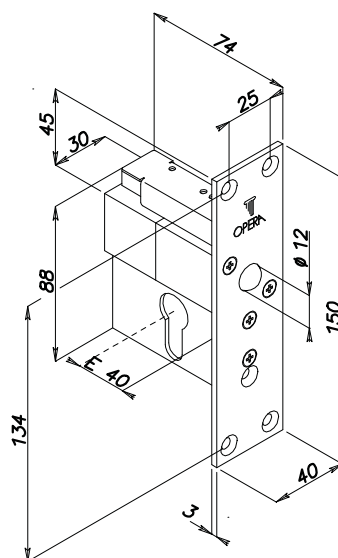
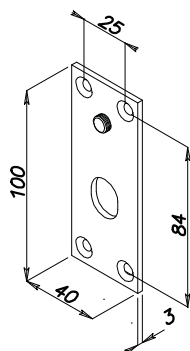
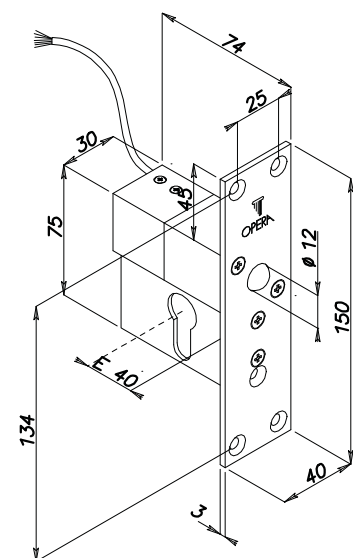
Front plate and striking plate in stainless steel
Striking plate with adjustable magnet for door status position
Bolt dimensions: diameter 12 mm, extension 18
Operating voltage:
12Vdc - 800 mA peak, 550 mA for maintenance
24Vdc - 500 mA peak, 350 mA for maintenance
Internal microprocessor control electronic
Rapid plug-in connector
Bolt position free voltage contact C. / N.O. / N.C.
Ready for European profile cylinder for key opening

Push buttons for monitoring and adjustment of reclosing times from 0-5 sec. to approach of door and from 0-60 sec. If the door is not opened

Mode of operation: horizontal (vertical on request see page 117)

Art. + S

With cylinder with needle key



Note: The Quadra Micro series solenoid lock, due to the high operating temperatures, are not suitable for mounting on wood or PVC doors

HORIZONTAL SECURITY SOLENOID LOCKS QUADRA SERIES WITH KEY RELEASE

Art.
Description


21814
21815
Art. + S

SECURITY SOLENOID LOCK – FAIL SECURE

Closed without power

Operating voltage: 12 Vdc/900mA or 24Vdc/450mA – ED 100%
 Deadbolt diameter (mm) 12, extension 18 mm.
 Ready for European profile cylinder for key opening
 Mode of operation: horizontal (vertical on request see page 117)
 Deadbolt position micro-switch C./N.O./N.C

With N.O. magnetic door position sensor *

Without magnetic sensor

With cylinder with needle key

* For connection to central control unit 54610 or 54710

21816


Art. + S

SECURITY SOLENOID LOCK WITH INTERNAL ELECTRONIC – FAIL SECURE

Striking plate with adjustable magnet for door status position
 Bolt dimensions: diameter 12 mm, extension 18 mm
 Operating voltage: 12Vdc – 800 mA peak, 450 mA for maintenance
 24Vdc – 500 mA peak, 250 mA for maintenance
 Internal microprocessor control electronic
 Rapid plug-in connector
 Bolt position free voltage contact C. / N.O. / N.C.
 Ready for European profile cylinder for key opening

Push buttons for monitoring and adjustment of reclosing times from 0-5 sec. to approach of door and from 0-60 sec. If the door is not opened

Mode of operation: horizontal (vertical on request) – see page 117

With cylinder with needle key

SECURITY SOLENOID LOCK WITH LATCH – FAIL SECURE

Closed without power
 Latch diameter (mm) 12, extension 14 mm.
 Power supply: 12 Vdc/900mA o 24Vdc/450mA – ED 100%
 Ready for European profile cylinder for key opening
 Mode of operation: horizontal (vertical on request see page 117)
 Monitored latch position micro-switch C./N.O./N.C

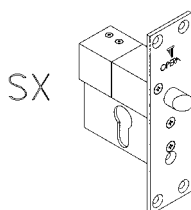


21914
21915
Art. + S

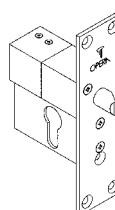
With N.O. magnetic door position sensor

Without magnetic sensor

With cylinder with needle key



DX

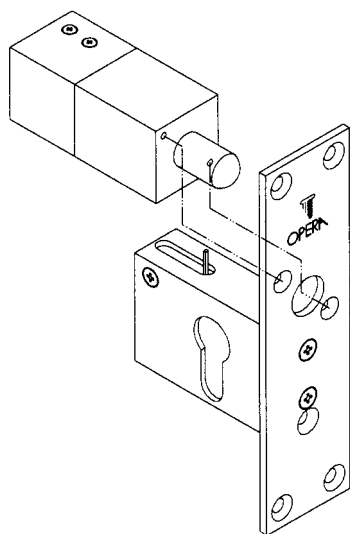


Note: indicate the lock hand (right or left hand)

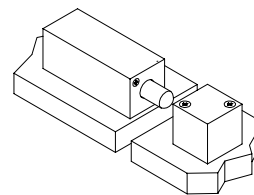
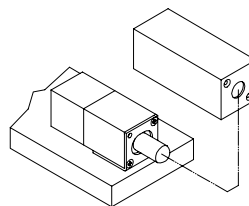
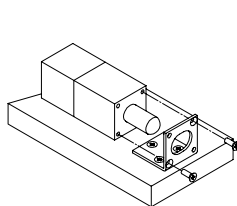
Art.	Description	
 02060 02160	BRACKET FOR SIDE MOUNTING OF THE HORIZONTAL SOLENOID LOCK Pair of brackets for solenoid lock and Armature plate in black painted steel Dimensions of bracket for solenoid lock and Armature plate: Quadra Micro series (mm) 32 x 24 x 22 Quadra series (mm) 32 x 32 x 30 <u>Quadra Micro series</u> <u>Quadra series</u> Use: carter for surface mounting of the horizontal security solenoid lock Quadra and Quadra Micro series	
 02065 02165	CARTER FOR HORIZONTAL SOLENOID LOCK Solenoid lock and Armature plate carter body in black painted steel Carter for solenoid lock dimensions: Quadra Micro series (mm) 74 x 26 x 26 Quadra series (mm) 93 x 35 x 35 Armature plate dimensions: Quadra Micro series (mm) 25 x 25 x 26 Quadra series (mm) 30 x 30 x 32 <u>Quadra Micro series (already inclusive of Art. 02060)</u> <u>Quadra series (already inclusive of Art. 02160)</u> Use: carter for surface mounting of the horizontal security solenoid lock Quadra and Quadra Micro series Packaging: solenoid lock carter, Armature plate carter, side mounting bracket and screws	
 02114 02114S	STRIKING PLATE WITH KEY OPENING MECHANISM Striking plate in stainless steel Striking plate dimensions (mm): 150 x 40 x 3 Body in anodized aluminium Dimensions of the body (mm): 70 x 45 x 20 Cylinder backset (mm): 40 <u>For standard European profile cylinder</u> <u>With needle cylinder</u> Use: accessory for use with horizontal security solenoid lock series 216, 218, 219..	
 02208 02208R	STRIKING PLATE FOR SOLENOID BOLT QUADRA MICRO SERIES Striking plate in stainless steel mm 80 x 25 x 3 <u>Without magnet</u> <u>With adjustable magnet</u>	 28,00 32,00
 02218 02218R	STRIKING PLATE FOR SOLENOID BOLT QUADRA SERIES Striking plate in stainless steel mm 100 x 40 x 3 <u>Without magnet</u> <u>With adjustable magnet</u>	 28,00 32,00



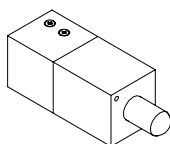
BRACKETS AND COVER APPLICATION EXAMPLES



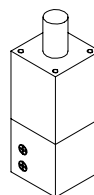
Assembling of key opening mechanism



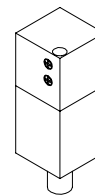
APPLICATION EXAMPLE WITH FUNCTIONING DIRECTION



Standard

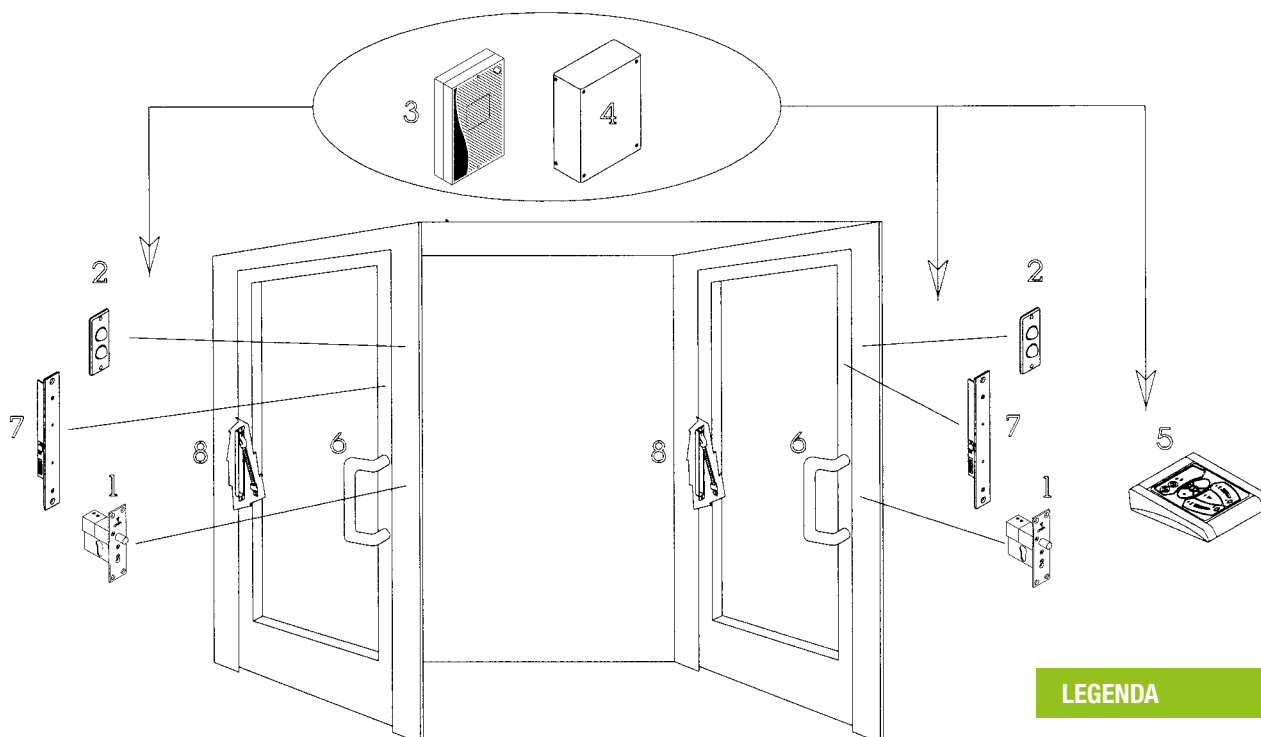


Vertical upwards



Vertical downwards

INTERLOCKED SYSTEM WITH QUADRA LOCKS



LEGENDA

- 1 Solenoid locks
- 2 Indicator lamps
- 3 Control unit
- 4 Power supply
- 5 Desktop console
- 6 Sensitive bars
- 7 Sensitive cards
- 8 Lead covers

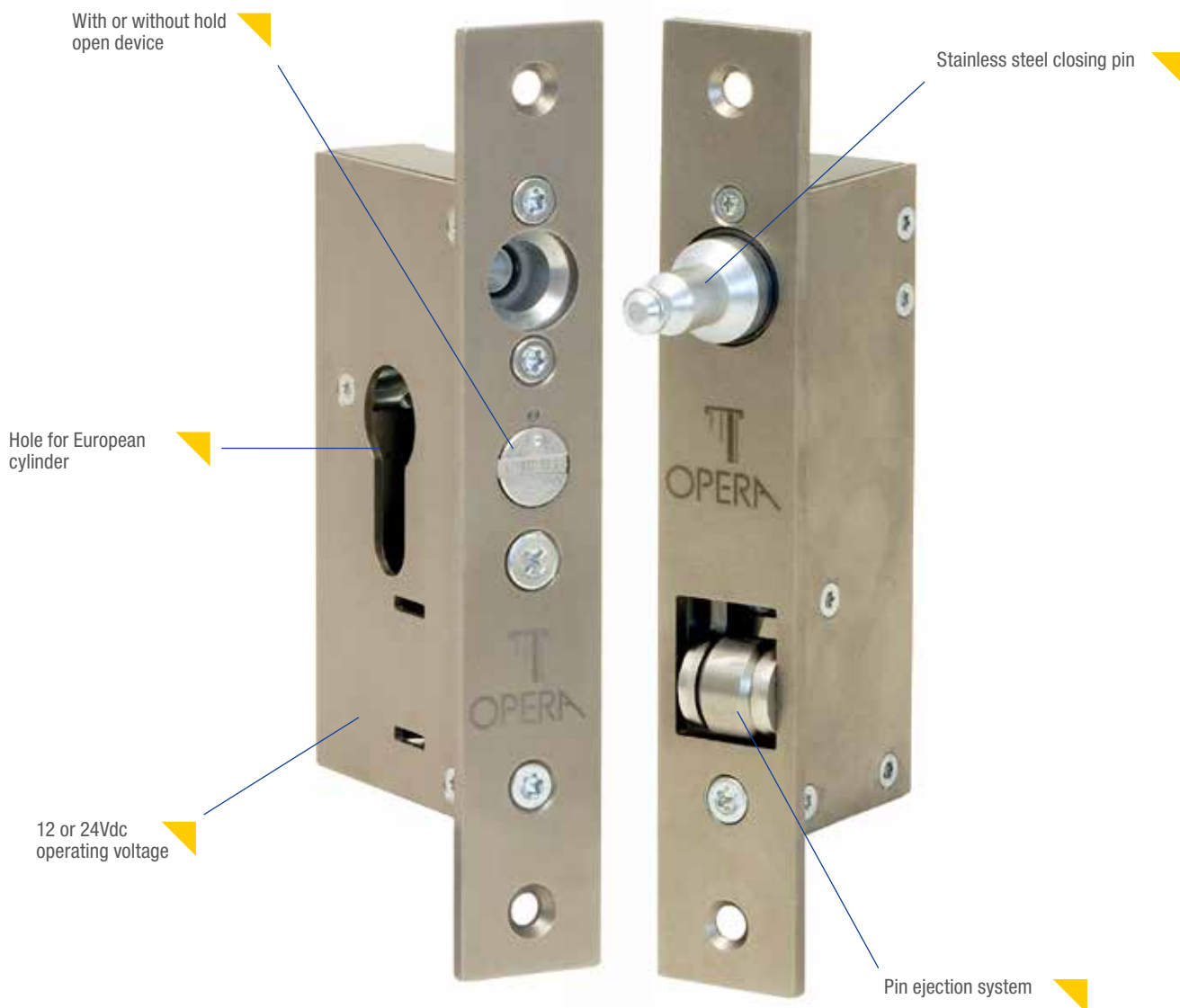




IARCA

- ▶ SECURITY SOLENOID LOCKS
- ▶ KEY VERSION FOR SAFE-DEPOSIT BOXES AND STRONG-BOXES
- ▶ SLIDE VERSION FOR AUTOMATIC SLIDING DOORS
- ▶ ENTIRELY IN STAINLESS STEEL FOR EXPOSURE TO WEATHER CONDITIONS
- ▶ MANUAL ACTIVATION WITH EUROPEAN CYLINDER





PLUS

- ▶ Innovative electric lock for sliding doors
- ▶ High resistance to breaking and entering, over 800 kg
- ▶ Locked without power supply
- ▶ Mechanical opening by European cylinder
- ▶ Internal micro switch for door status signalling
- ▶ Striking plate with retractable pin when the door is open



INTERNAL OPENING

EXTERNAL OPENING



PLUS EXAMPLE

- 1 For 1 or 2 shutters sliding doors
- 2 No need of management electronics
- 3 Mechanical closure at shutters approach
- 4 For motorized sliding doors or sliding gates
- 5 To be matched with intercom and access control system

WATCH THE VIDEO



Art.

Description

22800M

FAIL SECURE CABINET LOCK - MOTORISED

Housing in black ABS

Fail locked - motor operated.

Plt includes lock and door status monitoring outputs

Operating voltage: 12-28 Vac/dc – Absorbed current: 165mA

Holding force: 100Kg

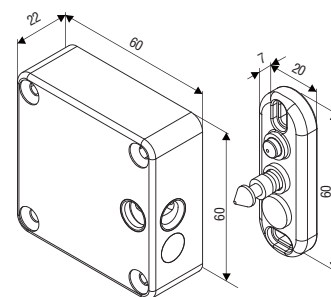
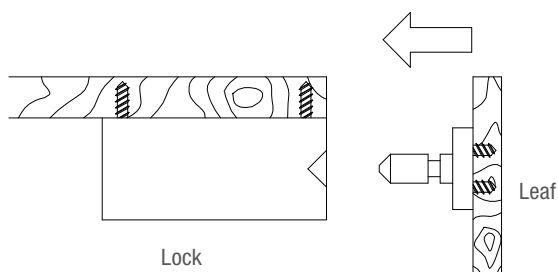
Can be fitted to drawers, filing cabinets, drug cabinets, gym lockers

Compatible with existing keypads or readers

Can be integrated with access control system

Operating temperature range: -10°C +45°C

Adjustable re-locking time from 2 to 5 sec

**NEW**

22800MBR

BATTERY OPERATED ELECTRIC LOCK

Body in black ABS

FAIL SECURE

Steel nickel plated bolt

Double socket lock for lockers and drawers

Holding force: Kg. 170

Power supply: 4 x AAA Alkaline batteries

Low battery alarm and 10% low battery automatically unlock

Cable for emergency power supply

Opening by Mifare / IC Card / 13,56MHz - max 13 cards

recordable Motorised lock

**TRASPONDER CARDS**

RFID CARD Mifare 13,56 MHz

Dimensions mm. 86 x 54 x 0,8

WhiteCustom silk screen on main sideCustom silk screen on both side

55516

55516SLA

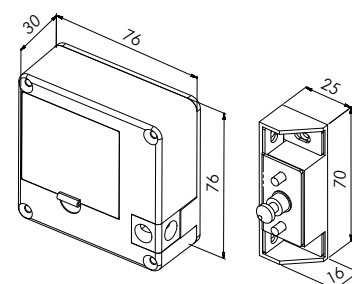
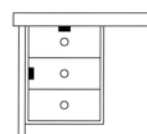
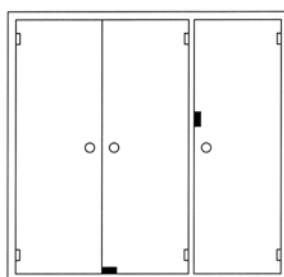
55516SLB



Drawer frame

Leaf

Lock

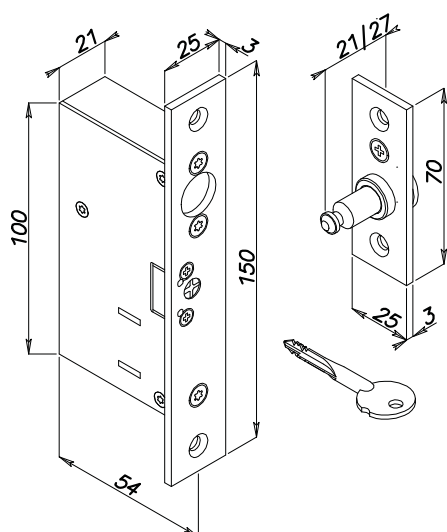


ELECTRIC LOCKS FOR ARMORED CABINETS SERIES ARCA KEY

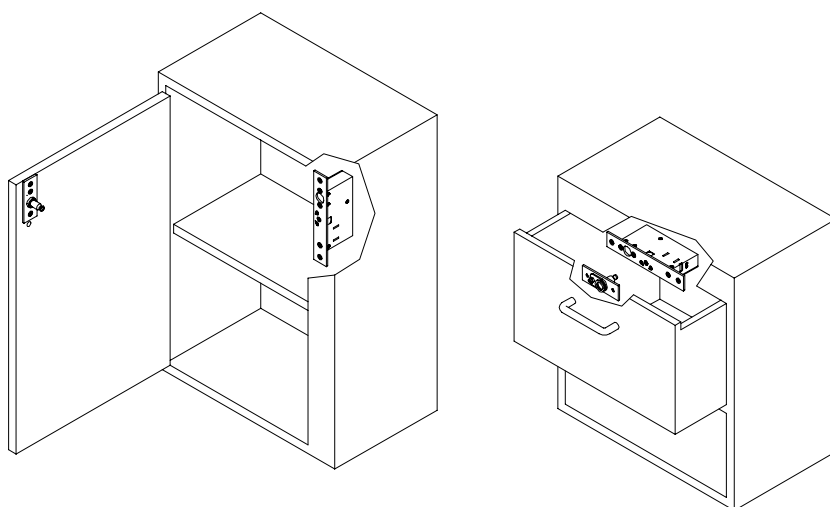
Common characteristics: Stainless steel body. Nickered tempered steel block pin on stainless steel counterplate. Strength of resistance to breaking and entering: 800 kg. Insertion of the front panel block pin.

Use: safety closure, can be electrically controlled for the closing of cabinet doors and safety lockers.

Art.	Description
	SECURITY ELECTRIC LOCK
	Locked without power supply
	Stainless steel front plate
	Stainless steel counterplate, extension can be adjusted from 21 to 27 mm
	Pin diameter 9.5 mm. extension 25 mm
	Power supply: 12 or 24 Vdc
	Current absorbed: 1,000 mA at 12 V/500 mA at 24 V
	Opening: limited to the duration of the impulse with current limiter
	C. / N.A. / N.C. microswitch of inserted pin position
22912	<u>Power supply: 12 Vdc</u>
22924	<u>Power supply: 24 Vdc</u>
22912CS	<u>Power supply: 12 Vdc – with pin cylinder for opening with key</u>
22924CS	<u>Power supply: 24 Vdc – with pin cylinder for opening with key</u>



APPLICATIONS EXAMPLES



Common characteristics: Stainless steel body. Nickered tempered steel block pin on stainless steel counterplate. Strength of resistance to breaking and entering: 800 kg. Insertion of the front panel block pin.

Use: safety closure, electrically controllable for the closing of sliding doors, including external ones exposed to weather.

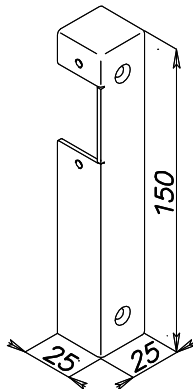
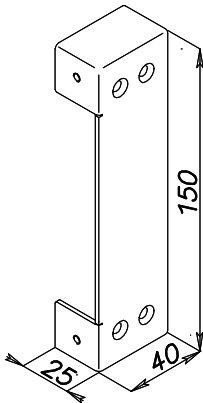
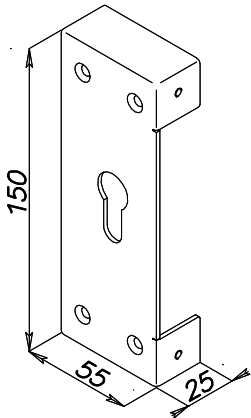
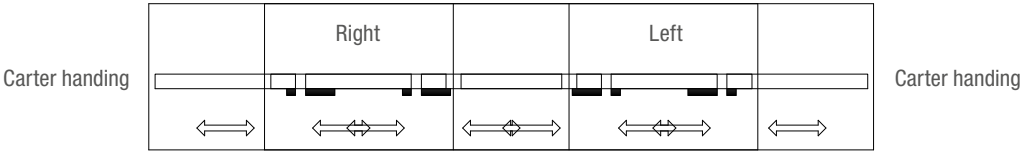
Art.	Description
SECURITY ELECTRIC LOCK FOR SLIDING DOORS	
Mechanical opening with European cylinder. Locked without power supply	
Stainless steel front plate. Stainless steel counterplate	
Counterlock with pin release system when the door is ajar	
Pin diameter 9.5 mm, extension 25 mm	
Power supply: 12 or 24 Vdc	
Current absorbed: 1,000 mA at 12 V / 500 mA at 24 V	
Opening: limited to the duration of the impulse with current limiter	
Entrance: 28 mm	
C. / N.A. / N.C. microswitch of inserted pin position	
23822	Power supply: 12Vdc
23824	Power supply: 24Vdc
23822FG	Power supply: 12Vdc – with hold open function
23824FG	Power supply: 24Vdc – with hold open function
MECHANICAL VERSION	
23800	With Euro-profile cylinder facilities
23800FG	With Euro-profile cylinder facilities and hold open function
Art. + CF	Fix counterplate – spare part (ex. 23822CF)
02238CF	Fix counterplate – spare part
02238	Counter lock – spare part



CARTER FOR SURFACE FITTING - ARCA KEY AND ARCA SLIDE

Lock and armature plate carter body in Stainless Steel
Euro-profile cylinder facilities
Backset: 28mm

- 02308.1 with standard counterplate – Right hand
- 02308.2 with standard counterplate – Left hand
- 02308.1CF with fix counterplate – Right hand
- 02308.2CF with fix counterplate – Left hand



ELECTRIC LOCKS FOR SLIDING DOORS SERIES ARCA SLIM

Common features: Stainless steel body. Nickel plated hardened steel block pin on stainless steel counterplate. Strength of resistance to breaking and entering: 800 kg. Insertion of the front panel block pin.

Use: security locking, electrically controllable for the closing of sliding doors, including external ones exposed to weather.



Art.

Description

SECURITY ELECTRIC LOCK

Mechanical opening with European cylinder

Locked without power supply

Front panel lock and stainless steel counterplate

Counterplate with pin release system when the door is ajar

Pin diameter 9.5 mm, extension 25 mm.

Opening: limited to the duration of the impulse with current limiter.

Entrance: 20 mm.

C. / N.A. / N.C. microswitch of inserted pin position

FAIL SAFE

Power supply : 12Vdc – 1A

Power supply : 24Vdc – 500mA

FAIL SECURE

Power supply : 12Vdc – 1A

Power supply : 24Vdc – 500mA

23622S

23624S

23822S

23824S

Art. + CF

Supplied with fix counterplate

02238CF

02238S

Fix counterplate – spare part

Counter lock – spare part

NEW

CARTER FOR SURFACE FITTING - ARCA KEY AND ARCA SLIDE

Lock and armature plate carter body in Stainless Steel

Euro-profile cylinder facilities

Backset: 20mm

02308.1S

with standard counterplate – Right hand

02308.2S

with standard counterplate – Left hand

02308.1CFS

with fix counterplate – Right hand

02308.2CFS

with fix counterplate – Left hand

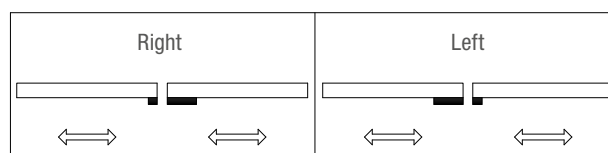
02308



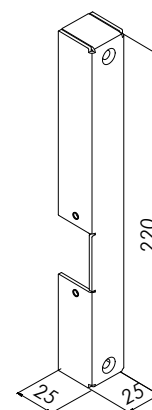
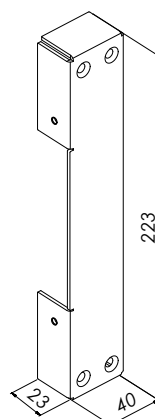
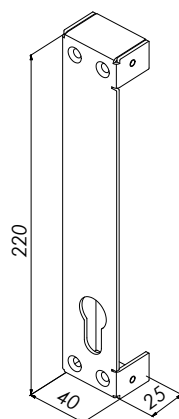
02308CF

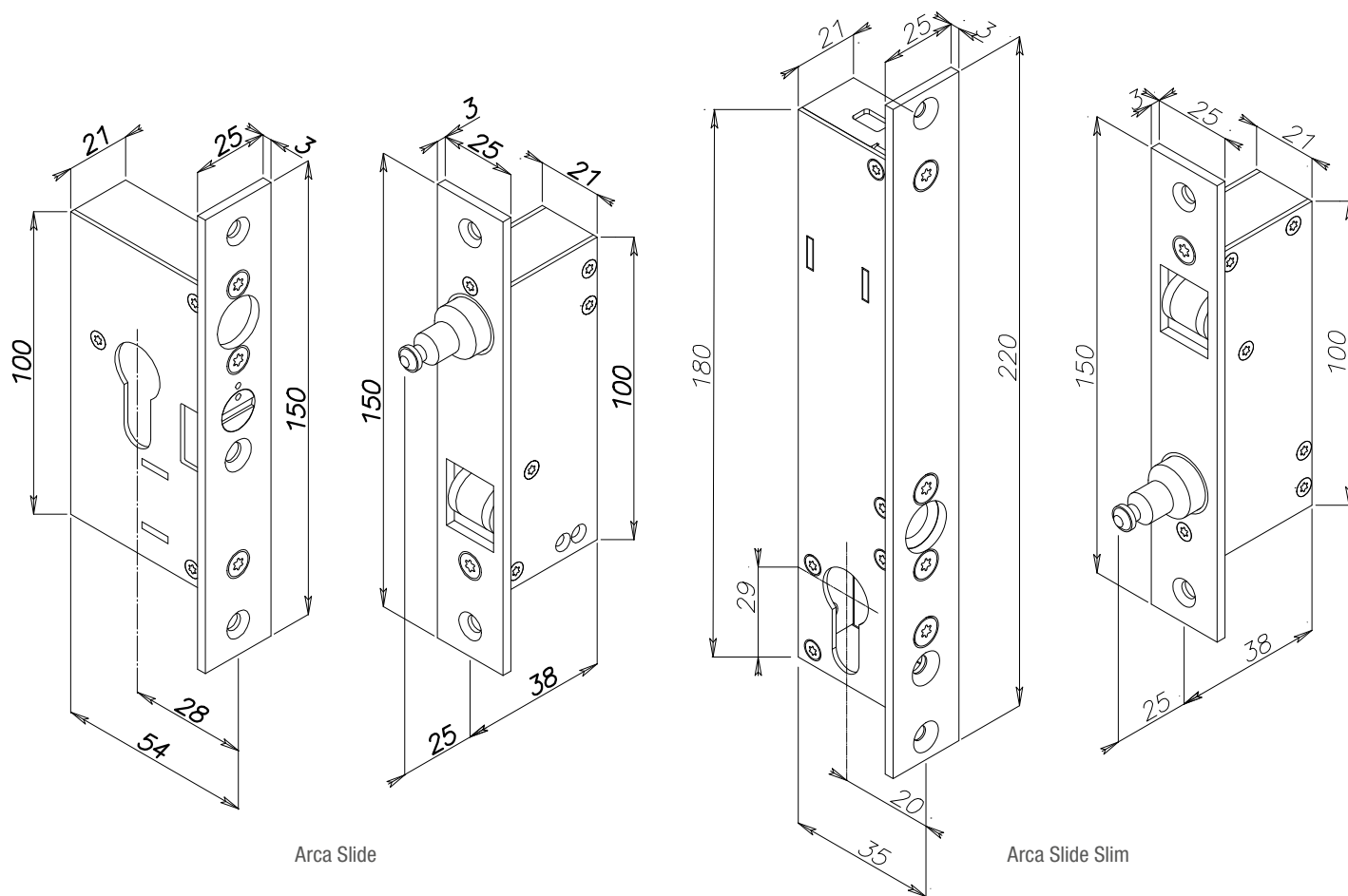


Carter handing



Carter handing



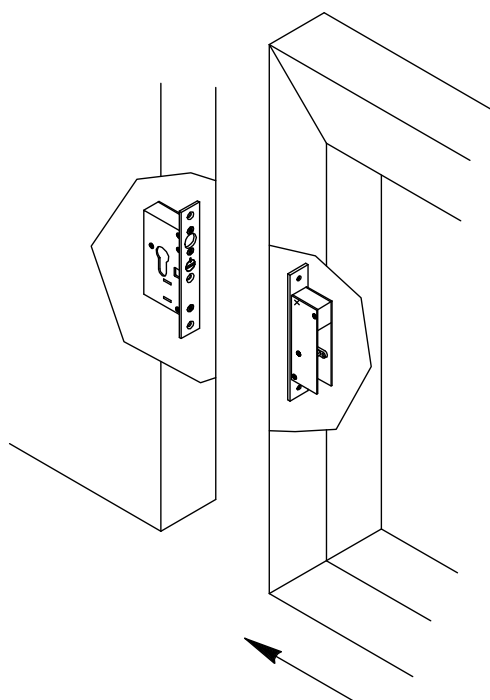


Counterlock system



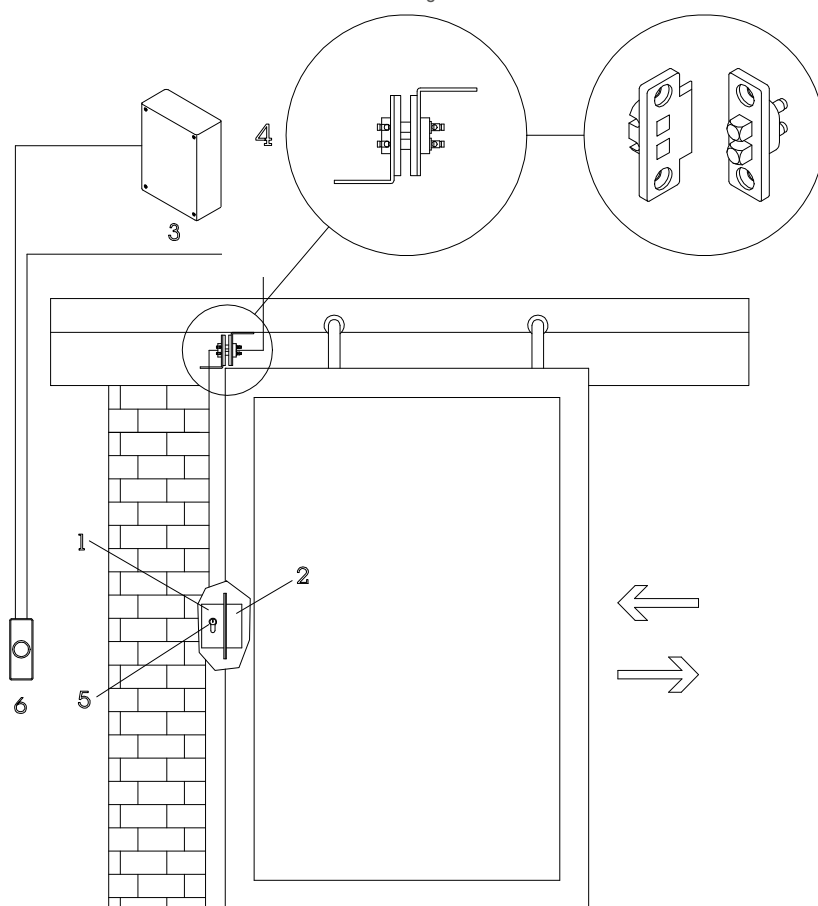
when the door is closed

when the door is open

SEE
APPLICATION EXAMPLE

ARCA SLIDE MOUNTING SAMPLE

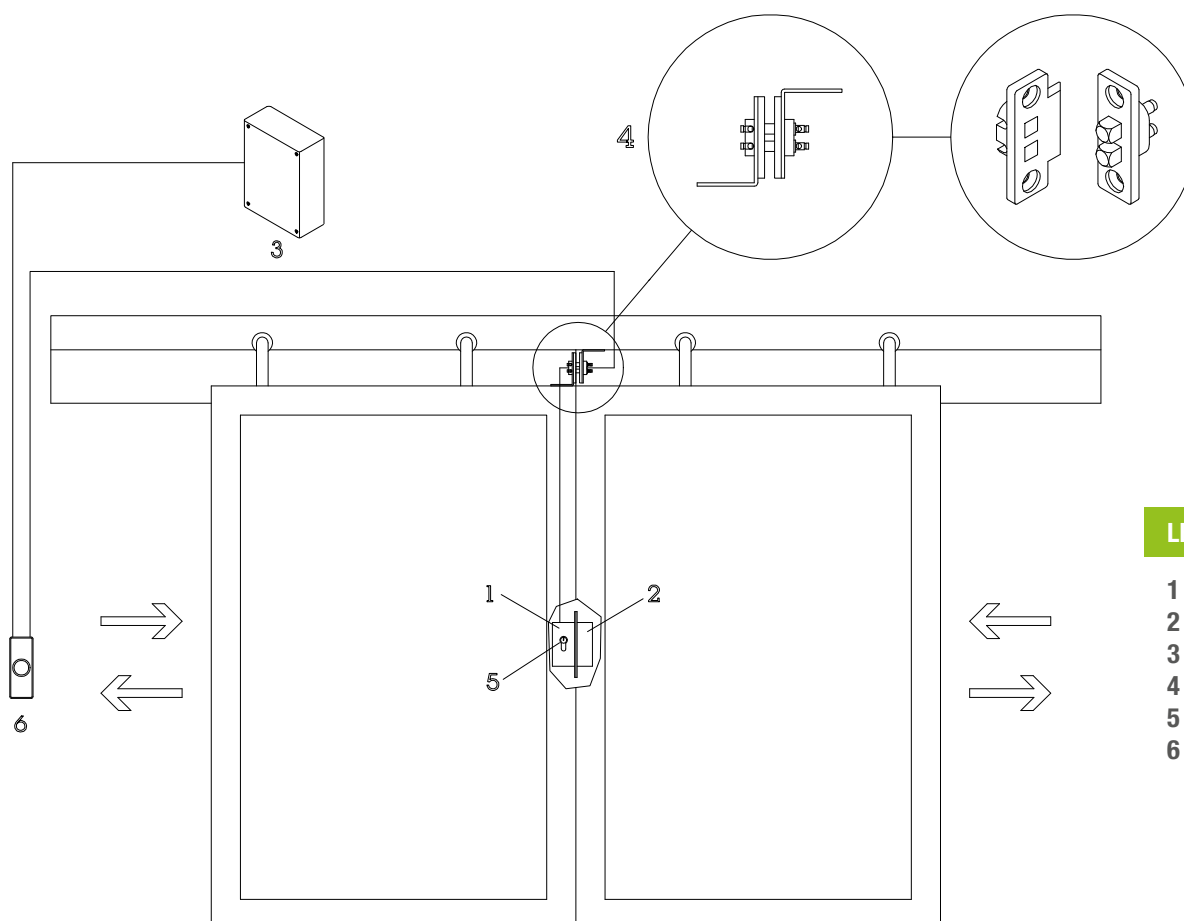
1 shutter sliding door



LEGENDA

- 1 Arca Slide
- 2 Striking plate
- 3 Power supply
- 4 Tappet contacts
- 5 European cylinder
- 6 Button

2 shutters sliding doors



LEGENDA

- 1 Arca Slide
- 2 Striking plate
- 3 Power supply
- 4 Tappet contacts
- 5 European cylinder
- 6 Button



Art.

Description

23000

ELECTROMECHANICAL LOCK FOR DOUBLE ACTION DOORS

Mechanical opening with European type cylinder
 Front plate and strike plate in stainless steel
 Reversible latch with mechanical block in closed position
 Striking plate device to block the latch in the closed position
 Latch dimensions (mm): 26 x 15.5 x extension 13
 Operating voltage: 12/24 Vac/dc
 Absorbed current: 280 mA at 12 Vdc – 140 mA at 24 Vdc
 Version: fail unlocked (closed with power) and fail locked (open with power) selectable
 Backset (mm): 30
 Latch blocked/released status contact C. / N.O. / N.C.
 Supplied with 2 striking plates – 1 for regular swing door, 1 for double swing action door

Use: electromechanical lock ideal for operation on double action doors (opening in both directions). The door is reclosed automatically when it approaches by pressing on the special mechanical alignment device.

On request: as the opening of the electromechanical lock is limited to the duration of the electric pulse (security version) or the lack of power (fail unlocked version), we recommend using the timer board item 51500 (pag. 43) to time release the lock (usable only if the electromechanical lock is powered with 12 Vdc). If powered with 24 Vdc, other time release devices available on the market and not provided by us must be used.



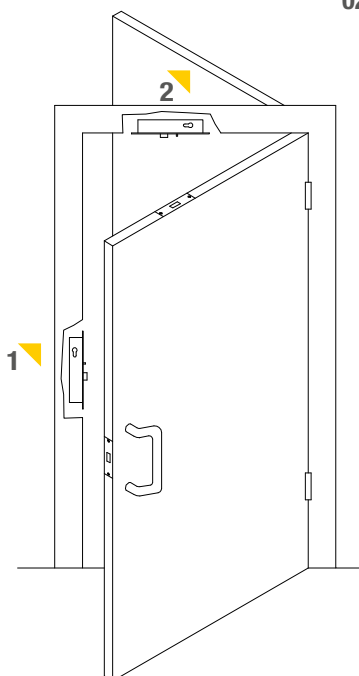
02300

02301

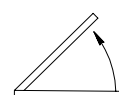
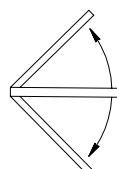
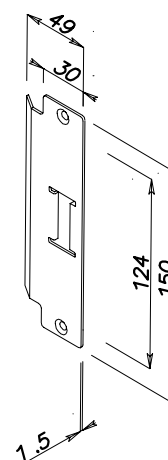
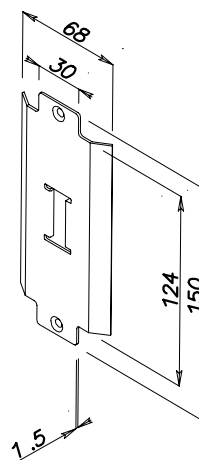
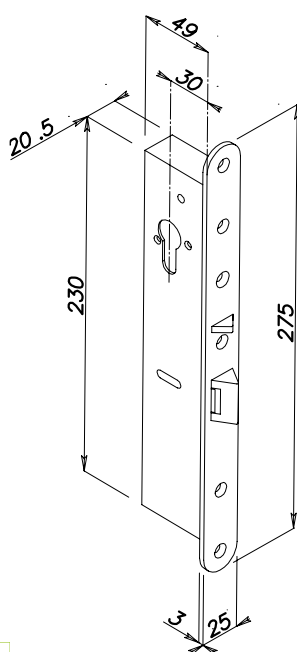
STRIKING PLATE - REPLACEMENT

Striking plate mm 150 x 68 x 1.5 for double action doors


Striking plate mm 150 x 49 x 1.5 for normal swing doors


**APPLICATION EXAMPLE**

- 1 Mounting on vertical frame
- 2 Mounting on horizontal frame



MANAGEMENT ELECTRONICS FOR SINGLE DOORS OR INTERLOCKING

Art.	Description
54610 	ELECTRONIC CONTROL UNIT For management of one door Box in beige ABS, dimensions (mm) 240 x 150 x 48 Operating voltage: 12/24 Vac/Vdc Absorbed current: 60 mA in stand-by Microprocessor command electronics Ready for interlocking connection of 2 or more doors Inputs with N.O. contacts for: <ul style="list-style-type: none"> - Opening - Blocking - Emergency - Alarm reset - Deadbolt position - Door position Outputs: <ul style="list-style-type: none"> - C./N.A./N.C relay for connection to Red/Green indicator lamps - C./N.A alarm relay for Prolonged Opening of the door, Fault. Emergency, simultaneous Opening of 2 or more doors if interlockeds Possibility of connection in cascade to interlock several doors with each other (to be connected one for each door to be controlled) Push buttons for monitoring and adjustment of the following times: <ul style="list-style-type: none"> - Relocking from 0 - 5 seconds upon approach of the door - Relocking from 0 - 60 seconds if the door is not opened - Prolonged door opening alarm from 0 - 120 seconds. Use: electronic control unit for timed and/or interlocking management of security electromagnets art. 12800M, 13500M, 13100, 13700 and 142, solenoid lock series art. 20610, 20810, 20911, 20913, 21610, 21614, 21810, 21814, 21911, 21915, electric strikes series 346 and 348.

54710 	ELECTRONIC CONTROL UNIT For management of two doors Box in beige ABS, dimensions (mm) 240 x 150 x 48 Operating voltage: 12/24 Vac/Vdc Absorbed current: 80 mA in stand-by Internal microprocessor control electronics Same electrical and operational characteristics as Art. 54610 but for management of 2 doors in single or interlocking configuration Use: electronic control unit for timed and/or interlocking management of security electromagnets art. 12800M, 13500M, 13100, 13700 and 142, solenoid lock art. 20610, 20810, 20911, 20913, 21610, 21614, 21810, 21814, 21911, 21915, electric strikes series 346 and 348.
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Art.	Description
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UNIVERSAL COMMAND CONSOLE
CONTROL SYSTEM

Aluminium console box in black
with silk screened polycarbonate panel
Membrane button with touch effect
Dimensions (mm): 195 x 160 x 50 (1 and 2 door versions)
Dimensions (mm): 300 x 160 x 50 (3 and 4 door versions)
Operating voltage: 12/24 Vac/Vdc
Connections via screw terminal block
N.O. inputs for command of door Opening from console
N.O. inputs for command of door Opening from external push buttons or sensitive handles
N.O. input for Reset command
N.O. input for Block command
N.O. / + 12 Vdc Input for alarm activation
N.O./N.C. input with memory for management of the interlock with insertion of a Metal-Detector *
N.O./N.C. input for presence of persons inside the interlock for automatic operation *
ON/OFF key switch for turning off system via external relay (i.e. item REL12V)
Manual, Automatic, Emergency key switch
Automatic operation selectable in 4 modes:
mono-directional, bi-directional, first door open, from external push button / sensitive handle on the doors*

Optical signalling:
Red/Green LED for Open/Closed lock status indication
Red/Green LED for Open/Closed door status indication
Alarm, Reset, Presence of Persons, Automatic, Emergency, Block, Metal-Detector, Power / Low Battery Alarm LEDs
Internal buzzer (can be deactivated) for acoustic signalling of pressing of push buttons, for signalling of an active alarm and low battery
* Functions enabled in 2 - 3 and 4 door consoles for interlocking operation

- [For 1 door](#)
- [For 2 doors](#)
- [For 3 doors](#)
- [For 4 doors](#)

Use: universal console for door command

Collegabile a: elettropistoni serie Prima e Classica, elettroniche art. 54610, art. 54710 abbinate ai sistemi di chiusura serie Safety, Omnia 1.000, Quadra, Quadra Micro, alle elettroniche art. 54250 e 54255 abbinate alle elettroserrature motorizzate serie Maxima art. 25500



SERVICE RELAY

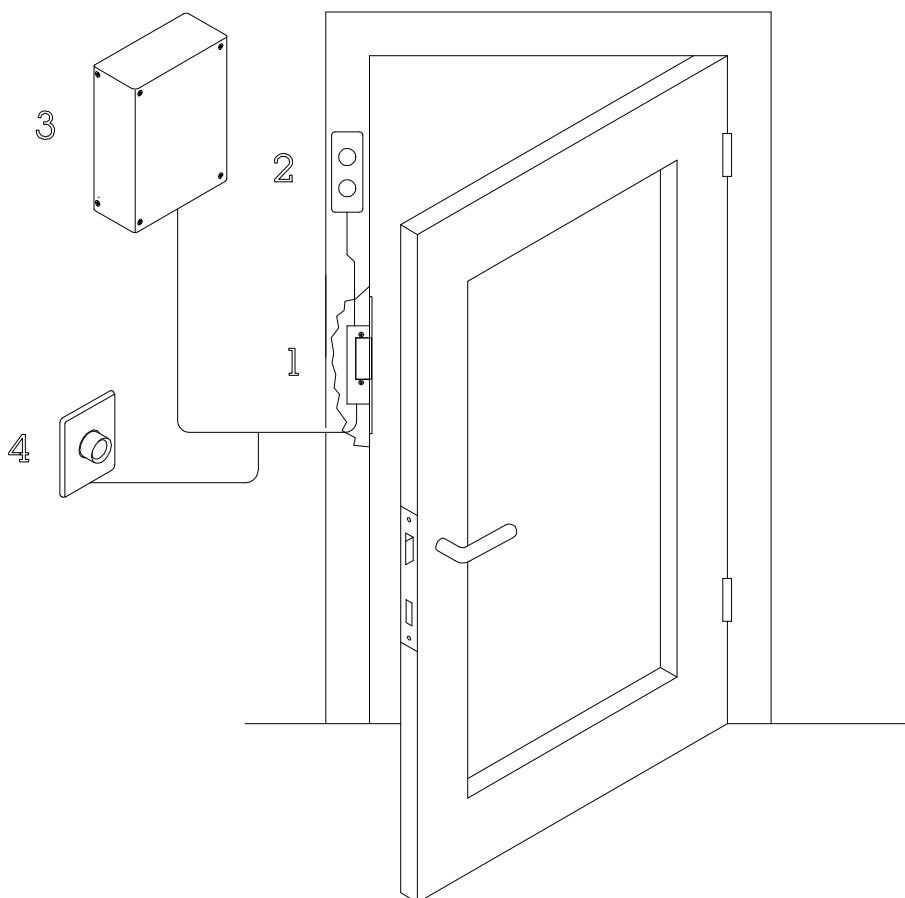
Relay with polarized activation coil at 12 Vdc/90 mA
Double switching C./N.O./N.C. - Contacts rating 10 A @ 250 Vac

Relay with polarized activation coil at 24 Vdc / 50 mA
Double switching C./N.O./N.C. - Contacts rating 10 A @ 250 Vac

Use: can be used as relay for turning on and off the system via ON/OFF key switch on the console (or for other uses where required)



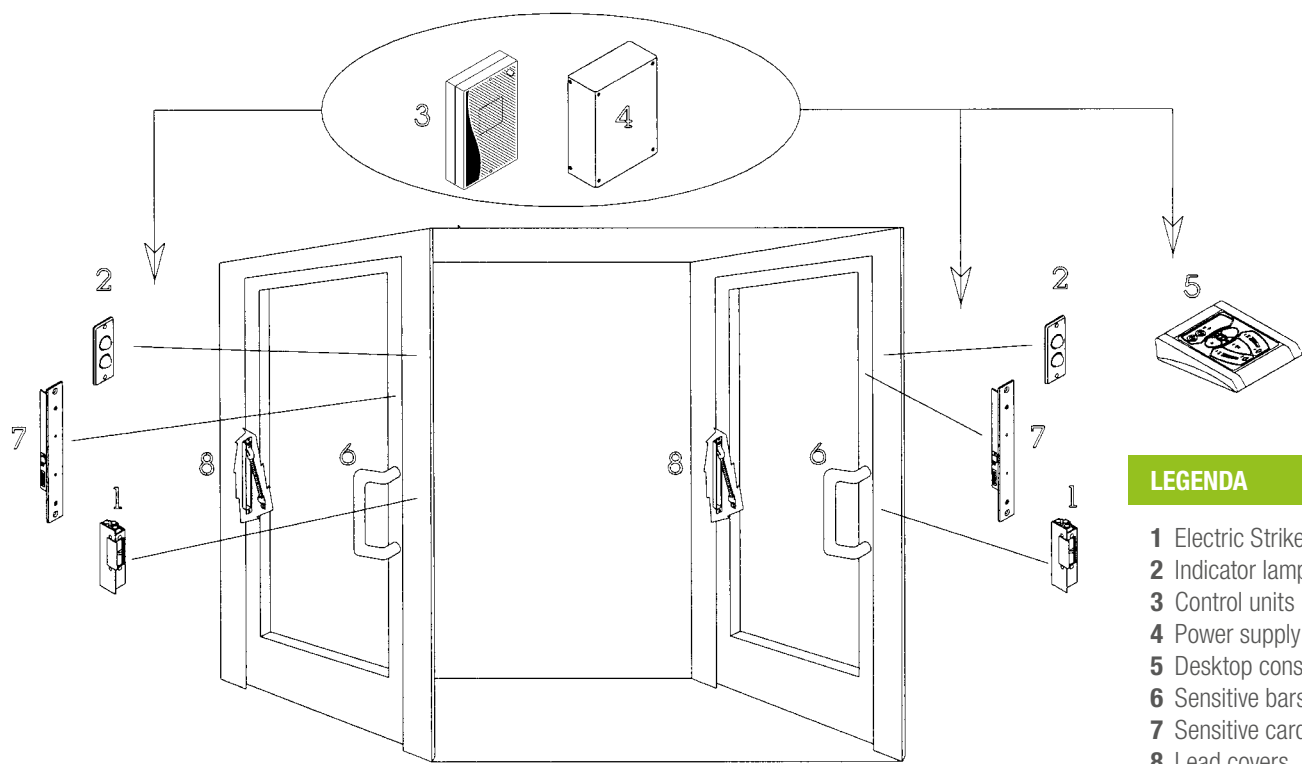
CLOSING SYSTEM WITH SECURITY ELECTRIC STRIKE OMNIA 1.000



LEGENDA

- 1 Security electric strike
- 2 Indicator lamp
- 3 Power supply
- 4 Remote opening button

INTERLOCKED DOORS SYSTEM WITH ELECTRIC STRIKES OMNIA 1.000 SERIE



LEGENDA

- 1 Electric Strikes
- 2 Indicator lamps
- 3 Control units
- 4 Power supply
- 5 Desktop console
- 6 Sensitive bars
- 7 Sensitive cards
- 8 Lead covers

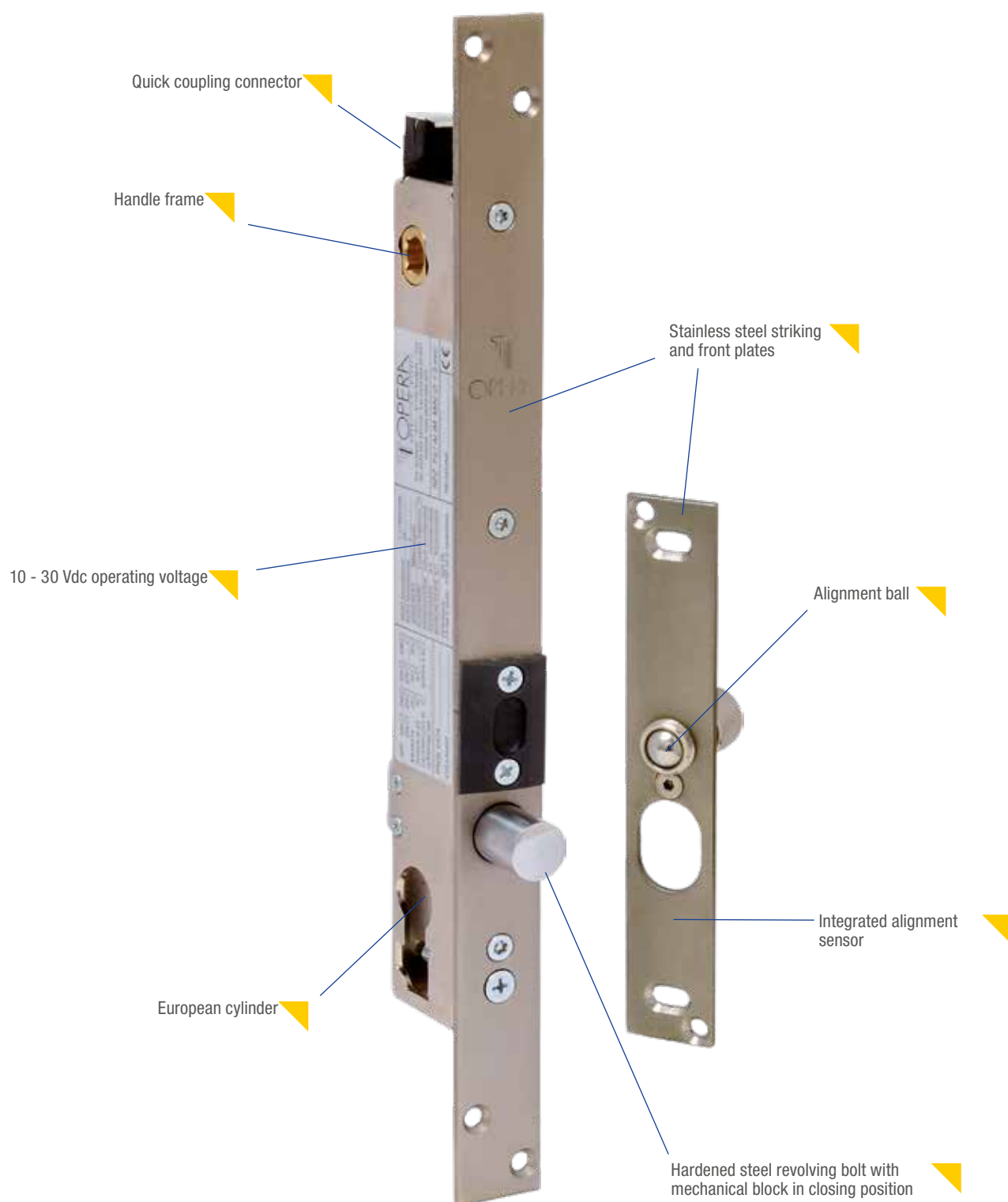




PRIMA

- ▶ SECURITY SOLENOID LOCKS
- ▶ ANTI CUTTING AND ANTI BREAKING AND ENTERING REVOLVING BOLT
- ▶ MANUAL ACTIVATION WITH EUROPEAN CYLINDER AND HANDLE
- ▶ FOR AN INTENSIVE AND CONTINUOUS USE
- ▶ IDEAL FOR STEEL OR ALUMINIUM DOORS
- ▶ SINGLE OR INTERLOCKED CONFIGURATION





PLUS

- ▶ Security solenoid lock
- ▶ Hardened steel revolving bolt with mechanical block
- ▶ Fail safe or fail secure versions without power
- ▶ Internal microprocessor control electronics
- ▶ High resistance to breaking and entering
- ▶ Mechanical opening with European cylinder or handle
- ▶ Automatic closing with adjustable timing



SINGLE DOOR WITH SOLENOID LOCK

INTERNAL OPENING



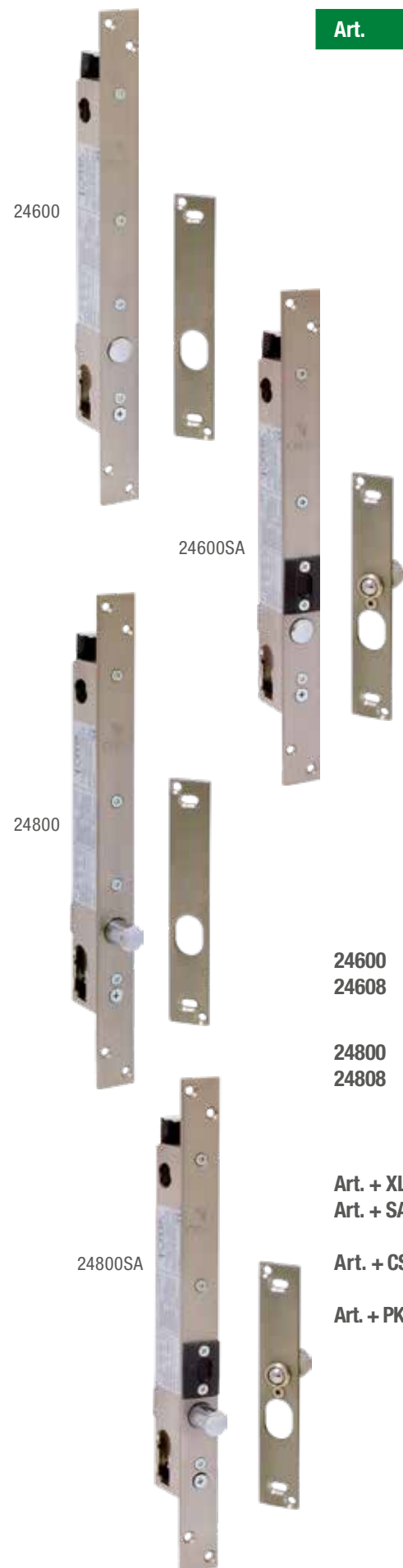
EXTERNAL OPENING



PLUS EXAMPLE

- Solenoid lock to be mounted on emergency exits
- To be mounted on the frame or on the shutter
- Single door operating system (condominiums, offices, companies.)
- Interlocked doors operating system (banks, jewelries, corporations)
- To be matched with intercom and access control systems





Art.	Description
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SOLENOID BOLT FOR INTERLOCKING SYSTEMS

Mechanical opening with European type cylinder

(cylinder with internal knob not usable)

Striking plate in stainless steel (mm) 320 x 25 x 3

Armature plate in stainless steel (mm) 150 x 25 x 3 with alignment magnet

Revolving bolt in anti-cutting hardened steel with mechanical block in closed position

Deadbolt dimension (mm): extension 20 (25 in the XL version), diameter 16

Lock body dimensions on page 140

Operating voltage: from 10 to 30 Vdc

Absorbed current: 2.5/3 A peak

130/230 mA for maintenance with electronic control

Internal microprocessor control electronics

Rapid plug-in connector

Ready for interlocking connection of 2 or more doors

N.O. Opening, Block, Emergency and Alarm Reset Controls

Deadbolt position contact C. / N.O. / N.C

Door position contact N.O. for the Open / Closed monitoring function or for use on an external door alignment sensor

Open Collector Alarm contact for Prolonged Opening from 0 to 120 seconds, Fault, Emergency, simultaneous Opening of 2 or more doors if in interlocked configuration

Opto-electronic bolt position control

Magnetic door position sensor

Push buttons for monitoring and adjustment of relocking times from 0-5 seconds upon approach of the door and from 0-60 seconds if the door is not opened

The timings can be disabled for use of the solenoid bolt with external control electronics

Push button for monitoring and adjustment of the Prolonged Door Open

Alarm trigger (function can be disabled)

Vertical mounting (Horizontal mounting on demand see page 139)

Fail unlocked deadbolt open without power

Without handle frame

With handle frame (mm) 8

Fail locked deadbolt closed without power

Without handle frame

With handle frame (mm) 8

Backsets available (mm): 25 - 30 - 35 - 60

Options On request:

Extended deadbolt + 5 mm.

Solenoid bolt with anti-rebound ball-catch mounted directly on the Armature plate with the slide in ABS on the striking plate

Solenoid bolt for pin key inserted (available backsets 27, 32 and 37)

Solenoid bolt prepared to accept the swiss round cylinder 22mm diam. Only available in backset 35mm — supplied without cylinder

Extra charge: for backset 60 mm

Packaging: solenoid bolt, armature plate, cylinder screw and connector

INTERLOCKING KITS WITH VERTICAL SECURITY SOLENOID BOLTS PRIMA SERIES

Art.	Description
	<p>KIT FOR INTERLOCKING SYSTEM EXAMPLE 1</p> <p>Features: Management of the doors with manual opening by means of console push buttons</p> <p>Kit is made up of:</p> <ul style="list-style-type: none"> 2 Solenoid bolts series 24600 or 24800 (specify backset) 1 Power supply item 05320A or 05312A (in box with space for battery) 1 Command console item 54612A 2 Concealed cable covers (with lock mounted on the door) item 08600 1 Backup battery item 00712
	<p>KIT FOR INTERLOCKING SYSTEM EXAMPLE 2</p> <p>Features: Management of the doors with manual opening by means of console push buttons</p> <p>Indicator lamp signalling to be inserted on the door post to support management of opening to the public.</p> <p>Kit is made up of:</p> <ul style="list-style-type: none"> 2 Solenoid bolts series 24600 or 24800 (specify backset) 1 Power supply item 05320A or 05312A (in box with space for battery) 1 Command console item 54612A 4 Indicator lamps item 55010 (Silver or Black) or 55030 2 Concealed cable covers (with lock mounted on the door) item 08600 1 Backup battery item 00712
	<p>KIT FOR INTERLOCKING SYSTEM EXAMPLE 3</p> <p>Features: Management of the doors with manual opening by means of console push buttons</p> <p>Indicator lamp signalling to be inserted on the door post to support management of opening and intercom for communication with the public outside.</p> <p>Kit is made up of:</p> <ul style="list-style-type: none"> 2 Solenoid bolts series 24600 or 24800 (specify backset) 1 Power supply item 05320A or 05312A (in box with space for battery) 1 Command console item 54612A 3 Indicator lamps item 55010 (Silver or Black) or 55030 1 Indicator lamp item 55012 (Silver or Black) or 55030 + 55033 1 Intercom handset item 05513 2 Concealed cable covers (with lock mounted on the door) item 08600 1 Backup battery item 00712
	<p>KIT FOR INTERLOCKING SYSTEM EXAMPLE 4</p> <p>Features: Management of the doors with manual opening by means of console push buttons and automatic opening by means of external push buttons on the indicator lamps.</p> <p>Indicator lamp signalling to be inserted on the door post to support management of opening and intercom for communication with the public outside.</p> <p>Kit is made up of:</p> <ul style="list-style-type: none"> 2 Solenoid bolts series 24600 or 24800 (specify backset) 1 Power supply item 05320A or 05312A (in box with space for battery) 1 Command console item 54612A 3 Indicator lamps with push buttons item 55011 (Silver or Black) or 55031 1 Indicator lamp item 55014 (Silver or Black) or 55031 + 55033 1 Intercom handset item 05513 2 Concealed cable covers (with lock mounted on the door) item 08600 1 Backup battery item 00712



Art.	Description
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SOLENOID BOLT FOR SINGLE DOOR

Mechanical opening with European type cylinder

(cylinder with internal knob not usable)

Striking plate in stainless steel (mm) 320 x 25 x 3

Armature plate in stainless steel (mm) 150 x 25 x 3 with alignment magnet

Revolving bolt in anti-cutting hardened steel with mechanical block in closed position

Deadbolt dimension (mm): extension 20 (25 in the XL version), diameter 16

Lock body dimensions on page 140

Operating voltage: From 10 to 30 Vdc

Absorbed current: 2.5/3 A peak - 130/230 mA for maintenance with electronic control

Internal microprocessor control electronics

Rapid plug-in connector

Ready for interlocking connection of 2 or more doors

N.O. Opening control

Deadbolt position contact C. / N.O. / N.C

Opto-electronic bolt position control

Magnetic door position sensor

Push buttons for monitoring and adjustment of relocking times from 0-5 seconds upon approach of the door and from 0-60 seconds if the door is not opened

The timings can be disabled for use of the solenoid bolt with external control electronics

Vertical mounting (horizontal on demand see page 139)

Fail unlocked deadbolt open without power:

Without handle frame

With handle frame (mm) 8

Fail locked deadbolt closed without power:

Without handle frame

With handle frame (mm) 8

Backsets available (mm): 25 - 30 - 35 - 60

Options On request:

Extended deadbolt + 5 mm.

Solenoid bolt with anti-rebound ball-catch mounted directly on the Armature plate with the slide in ABS on the striking plate

Solenoid bolt for pin key inserted

(available backsets 27, 32 and 37)

Solenoid bolt prepared to accept the Swiss round cylinder 22mm diam.

Only available in backset 35mm -

Extra charge for backset mm 60

Packaging: solenoid bolt, armature plate, cylinder screw and connector

25808 60



Defender facilities



VERTICAL SECURITY SOLENOID LOCKS PRIMA BASE SERIES



Art.

Description

SOLENOID BOLT FOR SINGLE DOOR

Mechanical opening with European type cylinder

(cylinder with internal knob not usable)

Striking plate in stainless steel (mm) 320 x 25 x 3

Armature plate in stainless steel (mm) 150 x 25 x 3

Reversible anti-cutting latch in hardened steel

Lock body dimensions on page 140

Latch dimensions (mm): 16 (diameter) x 14 x 16 extension

Operating voltage: from 10 to 30 Vdc

Absorbed current: 2.5/3 A peak - 130/230 mA for maintenance with electronic control

Internal microprocessor control electronics

Rapid plug-in connector

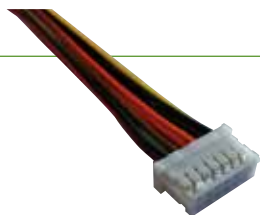
N.O. Opening control

Monitored latch position contact C. / N.O. / N.C

Opto-electronic Monitored latch position control

Push button for monitoring and adjustment of the latch protrusion time from 0-60 seconds

The timing can be disabled for use of the solenoid bolt with external control electronics

Fail locked latch closed without power:Without handle frameWith handle frame (mm) 8**Backsets available (mm):** 25 - 30 - 35 - 60**25900****25908****Art. + C****Shabbat version on demand****Art. + SA**Solenoid bolt with anti-rebound ball-catch mounted directly on the armature plate with the slide in ABS on the striking plate**Art. + CS**Solenoid bolt for pin key inserted
(available backsets 27, 32 and 37)**Art. + PK**Solenoid bolt prepared to accept the swiss round cylinder 22mm diam. Only available in backset 35mm – supplied without cylinder**Extra charge:** for backset 60mm**Packaging:** solenoid bolt, armature plate, cylinder screw and connector**CC090****CONNECTORS - REPLACEMENT**Connector 9 wires for locks ref 256 - 258 - 259 - 278 - 279
- OP SERIES**CC091**Connector 14 wires for locks ref 246 - 248 - 268**SOLENOID LOCKS MOUNTING DIRECTION**

PRIMA	PRIMA OP	PRIMA	PRIMA OP	YES, ON DEMAND	NO
YES		NO			





Art.	Description	
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FAIL UNLOCKED SOLENOID BOLT FOR SINGLE DOOR

Mechanical opening with European type cylinder

(cylinder with internal knob not usable)

Striking plate in stainless steel (mm) 320 x 25 x 3

Armature plate in stainless steel (mm) 150 x 25 x 3

Reversible anti-cutting latch in hardened steel

Lock body dimensions – see below

Latch dimensions (mm): 16 (diameter) x 14 x 16 extension

Operating voltage: from 10 to 30 Vdc

Absorbed current: 2.5/3 A peak - 130/230 mA for permanent maintenance with electronic control

Internal microprocessor control electronics

N.O. Opening control

Opto-electronic Monitored latch position control

Relocking after 5 seconds

Fail unlocked latch closed with power:

Without handle frame

With handle frame (mm) 8

Backsets available (mm): 25 - 30 - 35 -60

Art. + C

Shabbat version on demand

Art. + SA

Solenoid bolt with anti-rebound ball-catch mounted directly on the Armature plate with the slide in ABS on the striking plate

Art. + CS

Solenoid bolt for pin key inserted
available backsets 27, 32 and 37)

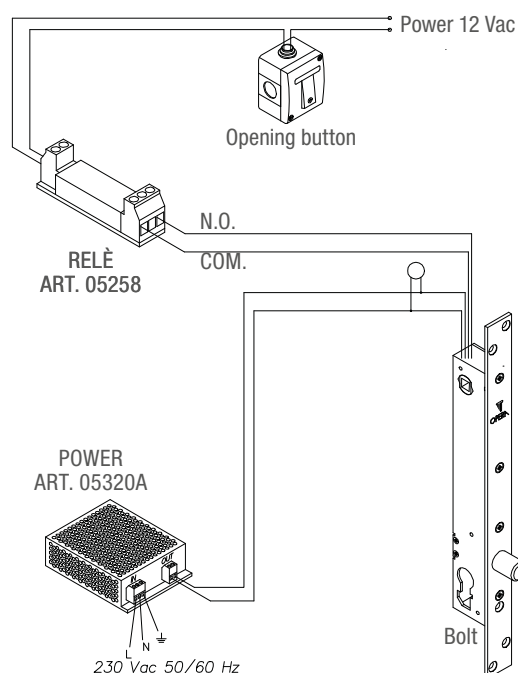
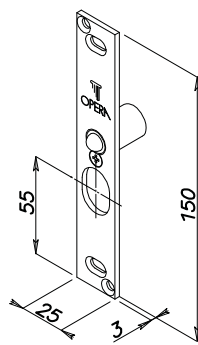
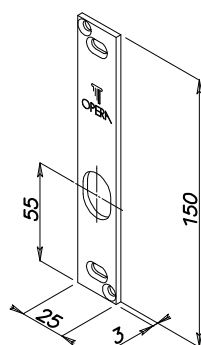
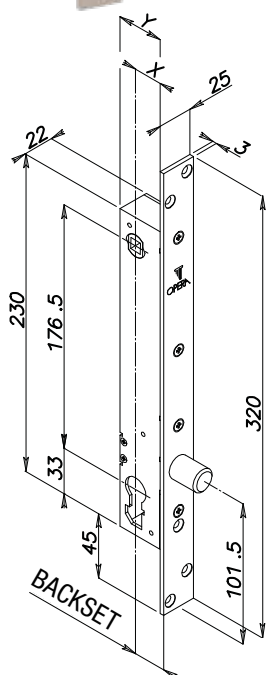
Art. + PK

Solenoid bolt prepared to accept the swiss round cylinder 22mm diam. Only available in backset 35mm – supplied without cylinder

Extra charge: for backset 60mm

Packaging: solenoid bolt, armature plate, cylinder screw and connector

BACKSET	X	Y
25	22	35
30	27	40
35	32	45
60	57	70



ACCESSORIES FOR VERTICAL SECURITY SOLENOID LOCKS PRIMA SERIES


Art.
Description
0230930DX
0230930SX

CARTER FOR VERTICAL SOLENOID LOCK FOR SURFACE FIXING IN CYLINDER / CYLINDER WITH HANDLE VERSION

Bolt and Armature plate carter body in black painted steel

Carter for solenoid lock dimensions (mm): 340 x 46 x 27

Carter for Armature plate dimensions (mm): 340 x 30 x 27

Right hand

Left hand

Identify whether right or left hand according to the table at the bottom of the page

Backsets available (mm): 30


02258D
02258DSA
02259
02259SA

ARMATURE PLATE FOR PRIMA AND CLASSICA SERIES SOLENOID LOCKS WITH FIXED MAGNET

Normally supplied with solenoid bolt 246, 248, 256, 258, 268, 278, OP

Dimensions: mm 150 x 25 x 3

Armature plate in stainless steel

Armature plate in stainless steel with anti-rebound ball-catch

Normally supplied with solenoid bolt 259, 279:

Armature plate in stainless steel

Armature plate in stainless steel with anti-rebound ball-catch

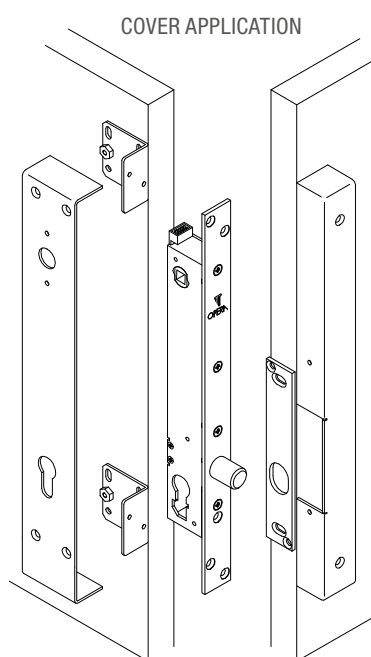


CHART TO IDENTIFY THE HAND OF THE CARTER

RIGHT 	LEFT 	RIGHT 	LEFT
LEFT 	RIGHT 	LEFT 	RIGHT

BOLT CARTER → → STRIKING PLATE CARTER

Art.

Description

SOLENOID BOLT FOR SINGLE DOOR

(Spare parts – Interchangeable with Corni type solenoid locks)

Mechanical opening with European type cylinder

(cylinder with internal knob not usable)

Striking plate in stainless steel (mm) 320 x 25 x 3

Armature plate in stainless steel (mm) 150 x 25 x 3 with alignment magnet

Deadbolt in anti-cutting hardened steel with mechanical block in closed position

Deadbolt dimensions (mm): extension 20, diameter 18 x 14

Operating voltage: from 10 to 30 Vdc

Absorbed current: 2.5/3 A peak - 130/230 mA for permanent maintenance with electronic control

Internal microprocessor control electronics

Rapid plug-in connector

Ready for interlocking connection of 2 or more doors

N.O. Opening control

Deadbolt position contact C. / N.O. / N.C

Opto-electronic bolt position control

Magnetic door position sensor

Push buttons for monitoring and adjustment of relocking times from 0-5 seconds upon approach of the door and from 0-60 seconds if the door is not opened

The timings can be disabled for use of the solenoid bolt with external control electronics

OP55036

Fail unlocked deadbolt open without power

OP55038

Fail locked deadbolt closed without power

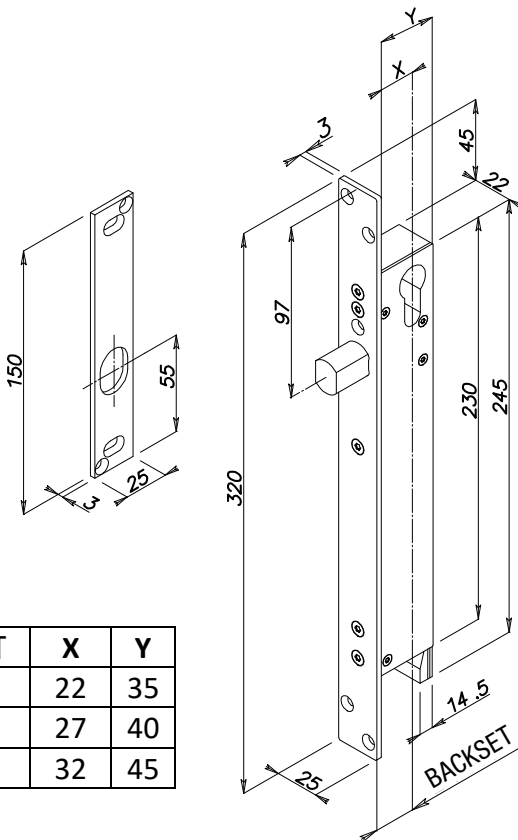
Backsets available (mm): 25 - 30 - 35

Packaging: solenoid bolt, armature plate, cylinder screw and connector

OP55036



OP55038



BACKSET	X	Y
25	22	35
30	27	40
35	32	45



VERTICAL FAIL LOCKED / FAIL UNLOCKED SOLENOID BOLTS WITH LATCH PRIMA OP SERIES



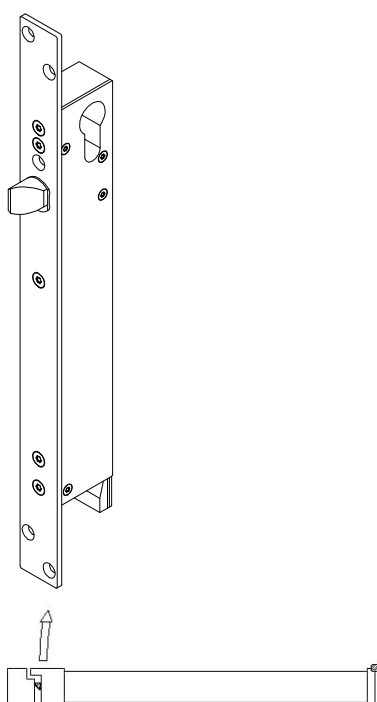
Art.	Description
	FAIL LOCKED / FAIL UNLOCKED SOLENOID BOLT FOR SINGLE DOOR (Spare parts – Interchangeable with Corni type solenoid locks) Mechanical opening with European type cylinder (cylinder with internal knob not usable) Striking plate in stainless steel (mm) 320 x 25 x 3 Armature plate in stainless steel (mm) 150 x 25 x 3 Latch in anti-cutting hardened steel not reversible (indicate the opening hand – see drawing below) Latch dimensions (mm): 16, diameter 18 x 14 Operating voltage: from 10 to 30 Vdc Absorbed current: 2.5/3 A peak - 130/230 mA for permanent maintenance with electronic control Internal microprocessor control electronics Rapid plug-in connector N.O. Opening control Monitored latch position contact C. / N.O. / N.C. (only for OP55039) Opto-electronic Monitored latch position control Push buttons for monitoring and adjustment of the relocking times from 0-60 seconds The timing can be disabled for use of the solenoid bolt with external control electronics
OP55039.1	<u>Fail secure - Right hand</u>
OP55039.2	<u>Fail secure - Left hand</u>
OP5503910.1	<u>Fail safe - Right hand</u>
OP5503910.2	<u>Fail safe - Left hand</u>

Backsets available (mm): 25 - 30 - 35

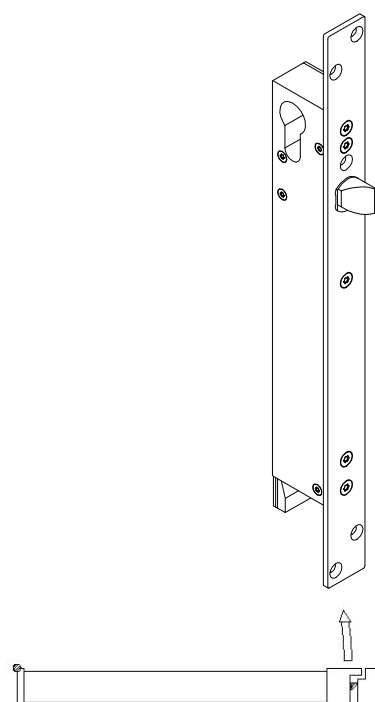
Packaging: solenoid bolt, armature plate, cylinder screw and connector

HANDING

RIGHT



LEFT





Art.	Description
	SOLENOID BOLT FOR INTERLOCKING DOORS Mechanical opening with European type cylinder (cylinder with internal knob not usable) Mechanical opening with European type cylinder (cylinder with internal knob not usable) Striking plate in stainless steel (mm) 440 x 30 x 4 Armature plate in stainless steel (mm) 440 x 25 x 4 with alignment magnet Deadbolt in anti-cutting hardened steel with mechanical block in closed position Anti-rebound ball-catch mounted directly on the Armature plate with the slide in ABS on the solenoid lock striking plate Deadbolt dimensions (mm): extension 23, diameter 22 Version with handle frame backset with 85 mm. cylinder hole For lock body dimensions see page 145 Operating voltage: from 10 to 30 Vdc Absorbed current: 3 A peak - 130/230 mA for permanent maintenance with electronic control Internal microprocessor control electronics Rapid plug-in connector Ready for interlocking connection of 2 or more doors N.O. Opening, Block, Emergency and Alarm Reset Controls Deadbolt position contact C. / N.O. / N.C Door position contact N.O. for the Open / Closed monitoring function or for use on an external door alignment sensor Open Collector Alarm contact for Prolonged Opening from 0 to 120 seconds, Fault, Emergency, simultaneous Opening of 2 or more doors if in interlocked configuration Opto-electronic bolt position control - Magnetic door position sensor Push buttons for monitoring and adjustment of relocking times from 0-5 seconds upon approach of the door and from 0-60 seconds if the door is not opened The timings can be disabled for use of the solenoid bolt with external control electronics Push button for monitoring and adjustment of the Prolonged Door Open Alarm trigger (function can be disabled)
24620	Fail unlocked deadbolt open without power: <u>Without handle frame</u>
24628	<u>With handle frame (mm) 8</u>
24820	Fail locked deadbolt closed without power: <u>Without handle frame</u>
24828	<u>With handle frame (mm) 8</u>
	Backset available (mm): 30 Compliance: EN12209 grade 7 burglar Packaging: solenoid bolt, armature plate, cylinder screw and connector



VERTICAL SECURITY SOLENOID LOCKS PRIMA MAXI SERIES

Art.	Description
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SOLENOID BOLT FOR SINGLE DOOR

Mechanical opening with European type cylinder

(cylinder with internal knob not usable)

Striking plate in stainless steel (mm) 440 x 30 x 4

Armature plate in stainless steel (mm) 440 x 25 x 4 with alignment magnet

Deadbolt in anti-cutting hardened steel
with mechanical block in closed position

Anti-rebound ball-catch mounted directly on the Armature plate with the
slide in ABS on the solenoid lock striking plate

Deadbolt dimensions (mm): extension 23, diameter 22

Version with handle frame backset with 85 mm. cylinder hole

For lock body dimensions see below

Operating voltage: from 10 to 30 Vdc

Absorbed current: 3 A peak - 130/230 mA for permanent maintenance with
electronic control

Internal microprocessor control electronics

Rapid plug-in connector

Ready for interlocking connection of 2 or more doors

N.O. Opening control

Deadbolt position contact C. / N.O. / N.C

Opto-electronic bolt position control

Magnetic door position sensor

Push buttons for monitoring and adjustment of relocking times from 0-5 seconds
upon approach of the door and from 0-60 seconds if the door is not opened

The timings can be disabled for use of the solenoid bolt with external control
electronics

Fail unlocked deadbolt open without power:

25620 Without handle frame

25628 With handle frame (mm) 8

Fail locked deadbolt closed without power:

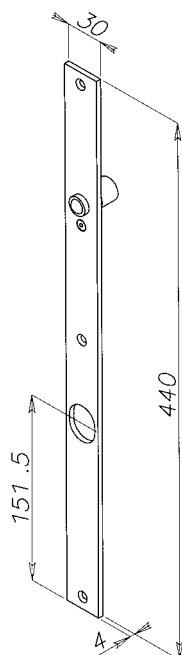
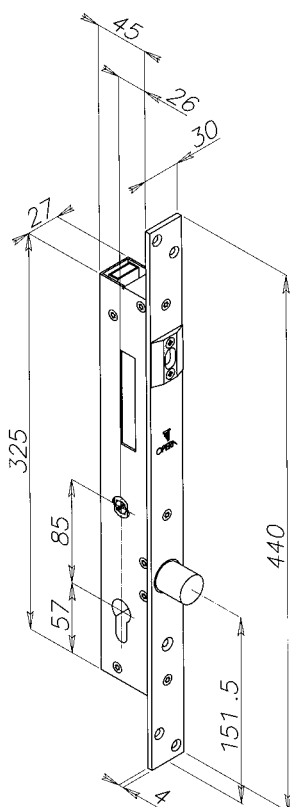
25820 Without handle frame

25828 With handle frame (mm) 8

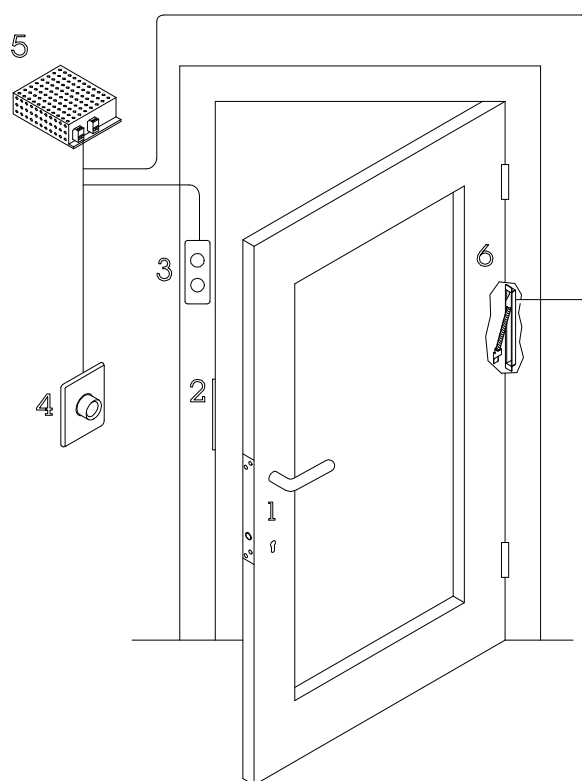
Backset available (mm): 30

Compliance: EN12209 grade 7 burglar

Packaging: solenoid bolt, armature plate, cylinder screw and connector



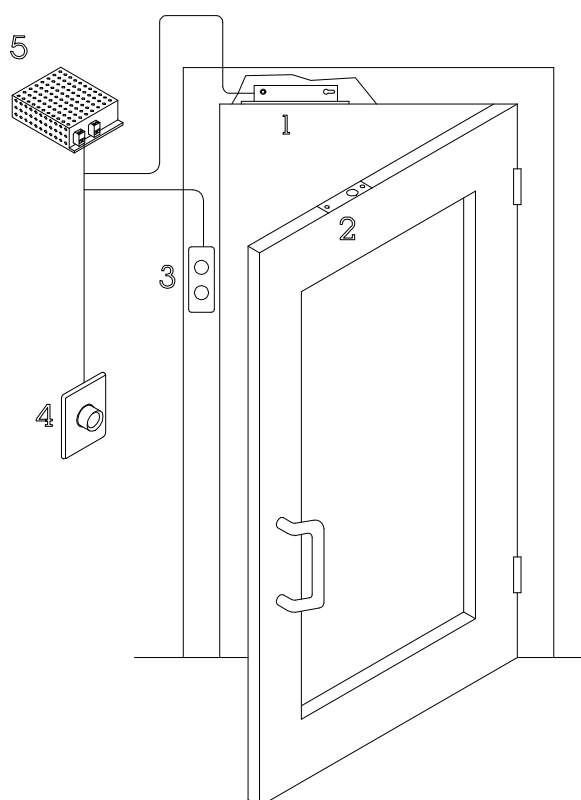
CLOSING SYSTEM WITH PRIMA SERIE SOLENOID LOCK



LEGENDA

- 1 Security solenoid lock
- 2 Striking plate
- 3 Indicator lamps
- 4 Opening button
- 5 Power supply
- 6 Concealed lead cover

CLOSING SYSTEM WITH PRIMA SERIE SOLENOID LOCK MOUNTED ON THE FRAME

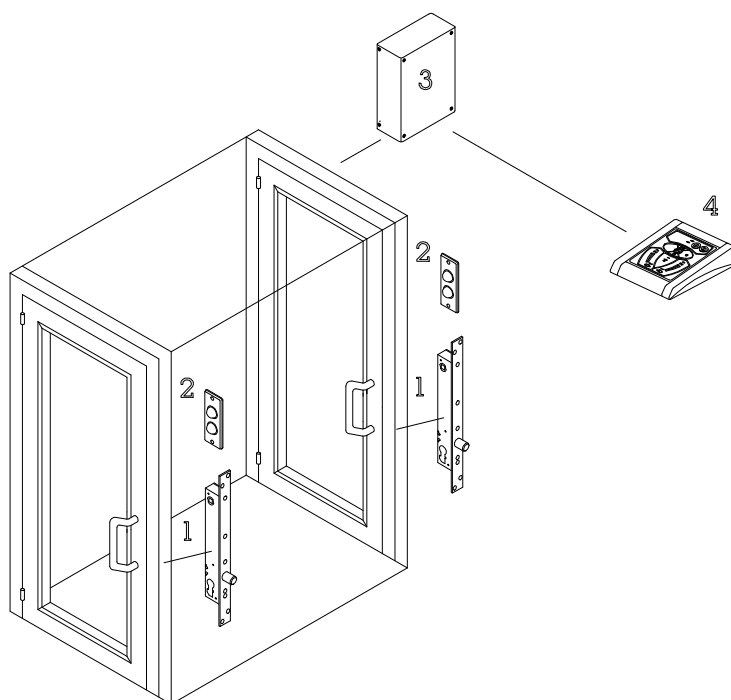


LEGENDA

- 1 Security solenoid lock
- 2 Striking plate
- 3 Indicator lamp
- 4 Opening button
- 5 Power supply



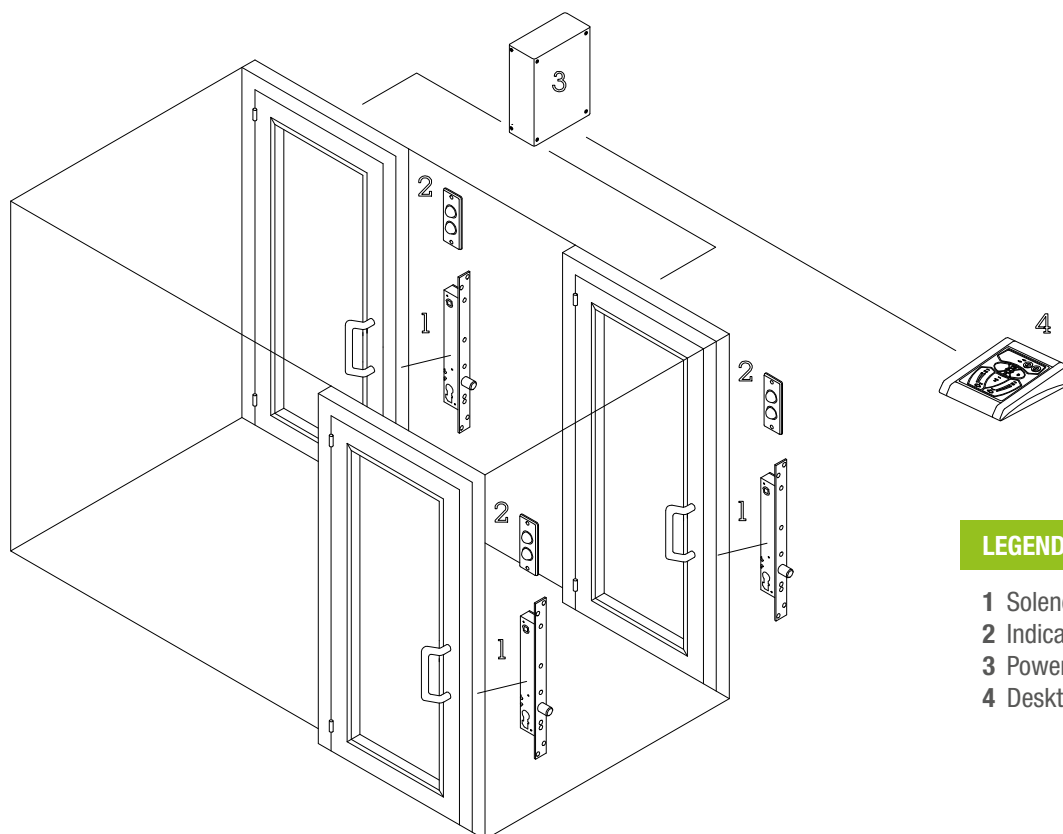
TWO DOORS INTERLOCKING SYSTEM WITH PRIMA SERIE SOLENOID LOCKS



LEGENDA

- 1 Solenoid locks
- 2 Indicator lamps
- 3 Power supply
- 4 Desktop console

THREE DOORS INTERLOCKING SYSTEM WITH PRIMA SERIE SOLENOID LOCKS



LEGENDA

- 1 Solenoid locks
- 2 Indicator lamps
- 3 Power supply
- 4 Desktop console



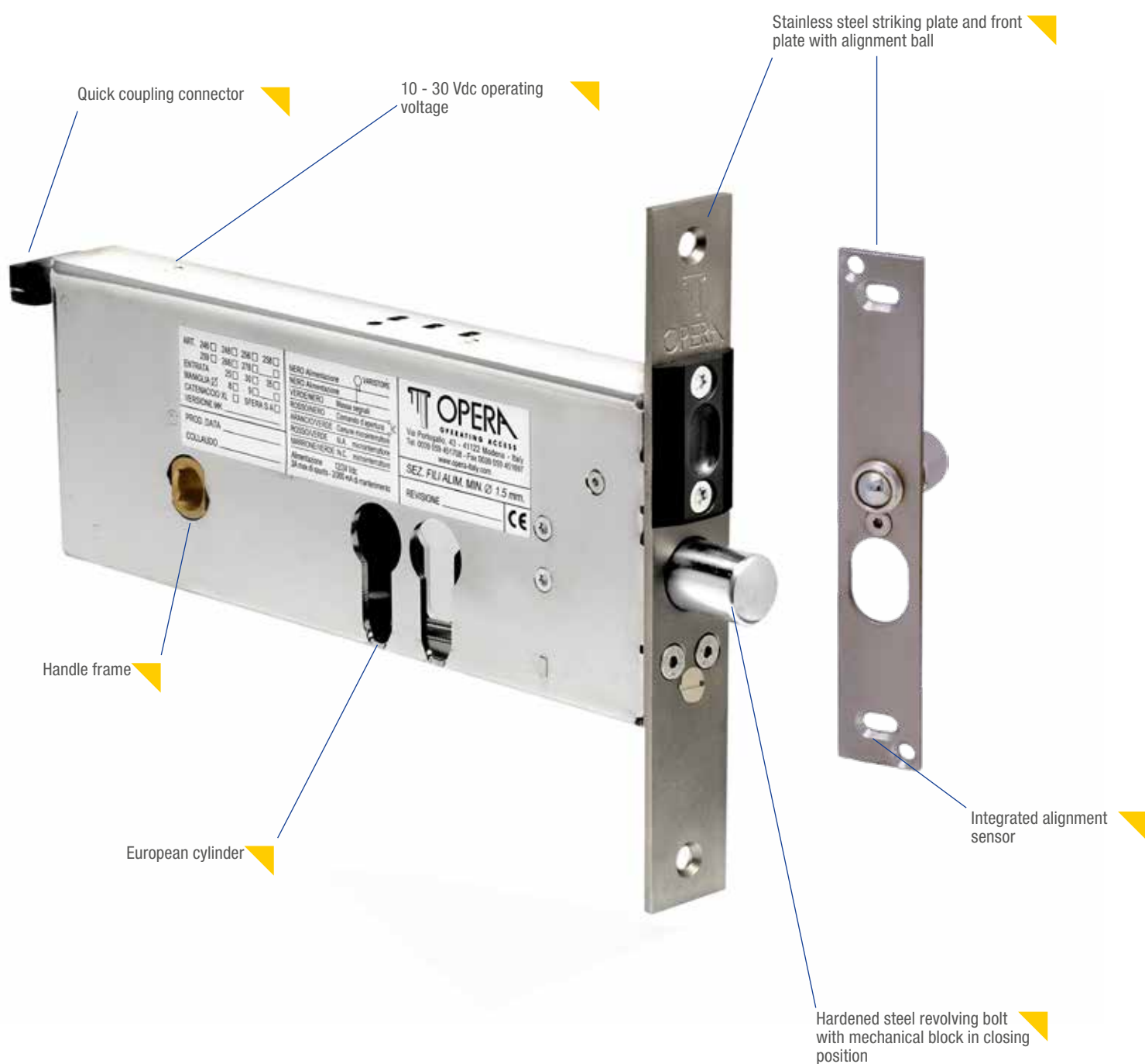


ICLASSICA

- ▶ SECURITY SOLENOID LOCK
- ▶ ANTI CUTTING AND ANTI BREAKING AND ENTERING REVOLVING BOLT
- ▶ MANUAL ACTIVATION WITH EUROPEAN CYLINDER AND HANDLE
- ▶ FOR AN INTENSIVE AND CONTINUOUS USE
- ▶ IDEAL FOR ALUMINIUM OR STEEL DOORS, SINGLE OR INTERLOCKED CONFIGURATION







PLUS

- ▶ Horizontal security solenoid lock for emergency exits
- ▶ Hardened steel revolving bolt with mechanical block in closing position
- ▶ Fail secure deadbolt version without power
- ▶ High resistance to breaking and entering
- ▶ Mechanical opening with European cylinder or handle
- ▶ Automatic closing with adjustable timings



INTERNAL OPENING



EXTERNAL OPENING



PLUS EXAMPLE

- Horizontal security solenoid lock for emergency exits
- Insertion on the door
- Single door operating system (condominiums, offices, companies.)
- Interlocked doors operating system (banks, jewelries, corporations)
- To be matched with intercom and access control systems



Art.	Description
26600	<p>MECHANICAL OPENING WITH EUROPEAN TYPE CYLINDER Mechanical opening with European type cylinder (cylinder with internal knob not usable) Striking plate in stainless steel (mm) 160 x 25 x 3 Armature plate in stainless steel (mm) 150 x 25 x 3 with magnet adjustable in extension Revolving bolt in anti-cutting hardened steel with mechanical block in closed position Deadbolt dimension (mm): extension 20 (25 in the XL version), diameter 16 Lock body dimensions on page 153 Operating voltage: from 10 to 30 Vdc Absorbed current: 2.5/3 A peak - 130/230 mA for maintenance with electronic control Internal microprocessor control electronics Rapid plug-in connector Ready for interlocking connection of 2 or more doors N.O. Opening, Block, Emergency and Alarm Reset Controls Deadbolt position contact C. / N.O. / N.C Door position contact N.O. for the Open / Closed monitoring function or for use of an external door alignment sensor Open Collector Alarm contact for Prolonged Opening of the door, Fault, Emergency, simultaneous Opening of 2 or more doors if in interlocked configuration. Opto-electronic bolt position control Magnetic door position sensor Push buttons for monitoring and adjustment of relocking times from 0-5 seconds upon approach of the door and from 0-60 seconds if the door is not opened. The timings can be disabled for use of the solenoid bolt with external control electronics Push button for monitoring and adjustment of the Prolonged Door Open Alarm trigger</p>
26800SA	
NEW	
26600	<p>Fail unlocked deadbolt open without power <u>Without handle frame</u></p>
26608	<p><u>With handle frame (mm) 8</u></p>
26800	<p>Fail locked deadbolt closed without power <u>Without handle frame</u></p>
26808	<p><u>With handle frame (mm) 8</u></p>
	<p>Backsets available (mm): 70 and 90 on the same mechanics</p>
Art. + XL	<p>Options On request: <u>Extended deadbolt + 5 mm.</u></p>
Art. + SA	<p><u>Solenoid bolt with anti-rebound ball-catch mounted directly on the Armature plate with the slide in ABS on the striking plate</u></p>
	<p>Packaging: solenoid bolt, Armature plate, cylinder connector and screws</p>



HORIZONTAL SECURITY SOLENOID LOCKS CLASSICA SERIES

Art.

Description



27608

SOLENOID BOLT FOR SINGLE DOOR

Mechanical opening with European type cylinder

(cylinder with internal knob not usable)

Striking plate in stainless steel (mm) 160 x 25 x 3

Armature plate in stainless steel (mm) 150 x 25 x 3

with magnet adjustable in extension

Revolving bolt in anti-cutting hardened steel with mechanical block in closed position

Deadbolt dimensions (mm): extension 20 (25 in the XL version), diameter 16

Lock body dimensions at the bottom of the page

Operating voltage: from 10 to 30 Vdc

Absorbed current: 2.5/3 A peak - 130/230 mA for maintenance with electronic control

Internal microprocessor control electronics

Rapid plug-in connector

Ready for interlocking connection of 2 or more doors

N.O. Opening control

Deadbolt position contact C. / N.O. / N.C

Opto-electronic bolt position control

Magnetic door position sensor

Push buttons for monitoring and adjustment of relocking times from 0-5 seconds

upon approach of the door and from 0-60 seconds if the door is not opened.

The timings can be disabled for use of the solenoid bolt with external control electronics



27808SA

NEW

27600

27608

Fail unlocked deadbolt open without power:Without handle frameWith handle frame (mm) 8

27800

27808

Fail locked deadbolt closed without power:Without handle frameWith handle frame (mm) 8

NEW

OP54036

OP54038

Inter-changeable with Corni solenoid bolt:Fail safe - With handle frame (mm) 8Fail secure - With handle frame (mm) 8**Backsets available (mm): 70 and 90 on the same mechanics**

On request:

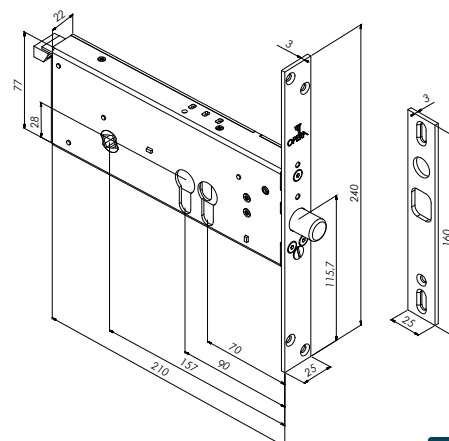
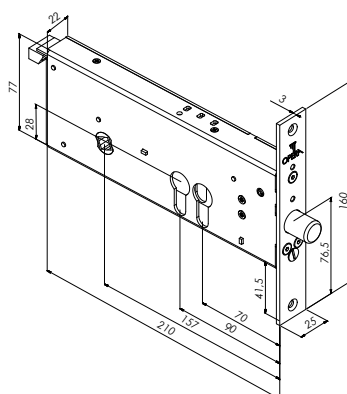
Extended deadbolt + 5 mm.Solenoid bolt with anti-rebound ball-catch catch mounted directly on the armature plate with the slide in ABS on the striking plate

Art. + XL

Art. + SA



OP54038



Art.

Description



27908



27908SA

27900
27908

Art. + SA

SOLENOID BOLT FOR SINGLE DOOR

Mechanical opening with European type cylinder
 Striking plate in stainless steel (mm) 160 x 25 x 3
 Armature plate in stainless steel (mm) 150 x 25 x 3
 Latch in anti-cutting hardened steel not reversible on page 153
 Latch dimensions (mm): 16 (diameter) x 14 x 16 extension
 Lock body dimensions (see below):
 Operating voltage: from 10 to 30 Vdc
 Absorbed current: 2.5/3 A peak - 130/230 mA for maintenance with electronic control
 Internal microprocessor control electronics
 Rapid plug-in connector
 N.O. Opening control
 Monitored latch position contact C. / N.O. / N.C.
 Opto-electronic Monitored latch position control
 Push buttons for monitoring and adjustment of relocking times from 0-60 seconds if the door is not opened.
 The timings can be disabled for use of the solenoid bolt with external control electronics

Fail locked deadbolt closed without power:Without handle frameWith handle frame (mm) 8**Backsets available (mm): 70 and 90 on the same mechanics**

Solenoid bolt with anti-rebound ball-catch mounted directly on the Armature plate with the slide in ABS on the striking plate

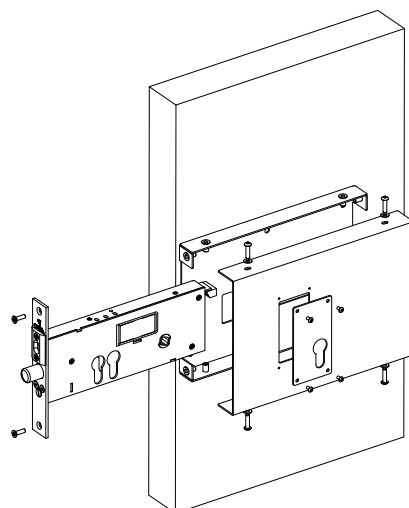
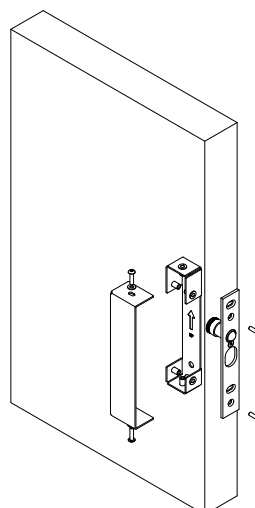
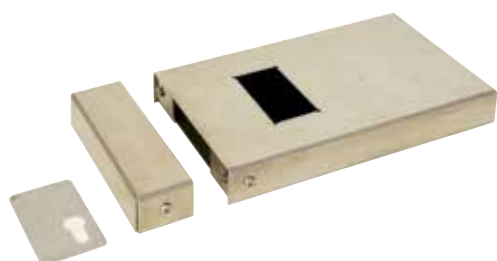
Packaging: solenoid bolt, Armature plate, cylinder connector and screws

02708

CARTER FOR HORIZONTAL SOLENOID LOCK FOR SURFACE FIXING IN CYLINDER / CYLINDER WITH HANDLE VERSION

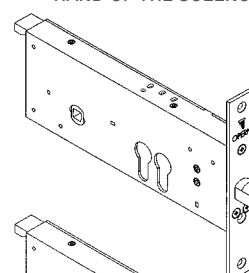
Solenoid and Armature plate carter body in stainless steel
 Carter for solenoid lock dimensions (mm): 250 x 165 x 34
 Carter for Armature plate dimensions (mm): 45 x 165 x 34
 Reversible hand

Backsets available (mm): 70 and 90 on the same carter

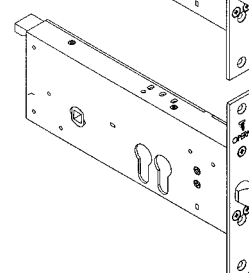


HAND OF THE SOLENOID LOCK

Right



Left



**Art.****Description****ARMATURE PLATE FOR PRIMA AND CLASSICA SERIES**

Normally supplied with solenoid bolt 246, 248, 256, 258, 268, 278, OP:

Dimensions: mm 150 x 25 x 3

02258DArmature plate in stainless steel**02258DSA**Armature plate in stainless steel with anti-rebound ball-catch**02259**

Normally supplied with solenoid bolt 259, 279:

Armature plate in stainless steel**02259SA**Armature plate in stainless steel with anti-rebound ball-catch**STRIKING PLATE FOR CLASSICA SERIES SOLENOID LOCKS, SUPPLIED WITH RIM COVER**

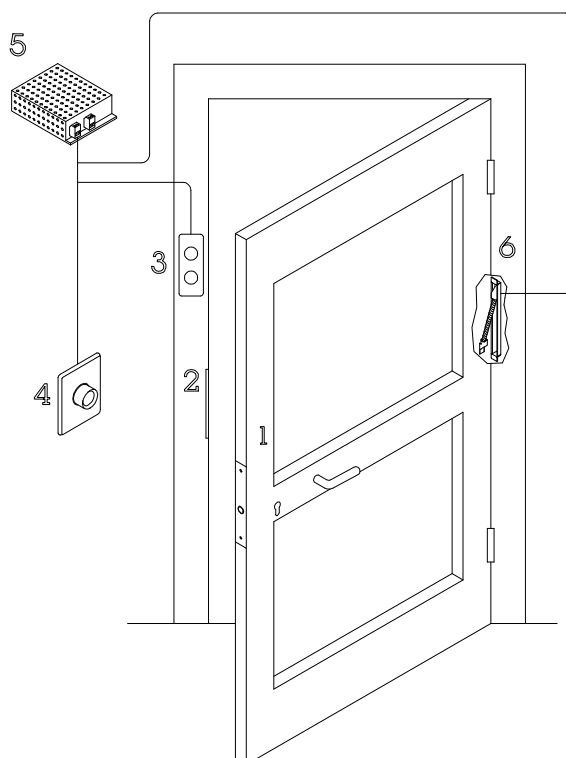
Dimensions: mm 160 x 25 x 3

02260DArmature plate in stainless steel**02260DSA**Armature plate in stainless steel with anti-rebound ball-catch

Standard supplied with the carter package serie Classica art. 02708

APPLICATION EXAMPLES

CLOSING SYSTEM WITH CLASSICA SERIES SOLENOID BOLT

**LEGENDA**

- 1 Solenoid lock
- 2 Striking plate
- 3 Indicator lamp
- 4 Button
- 5 Power supply
- 6 Lead covers

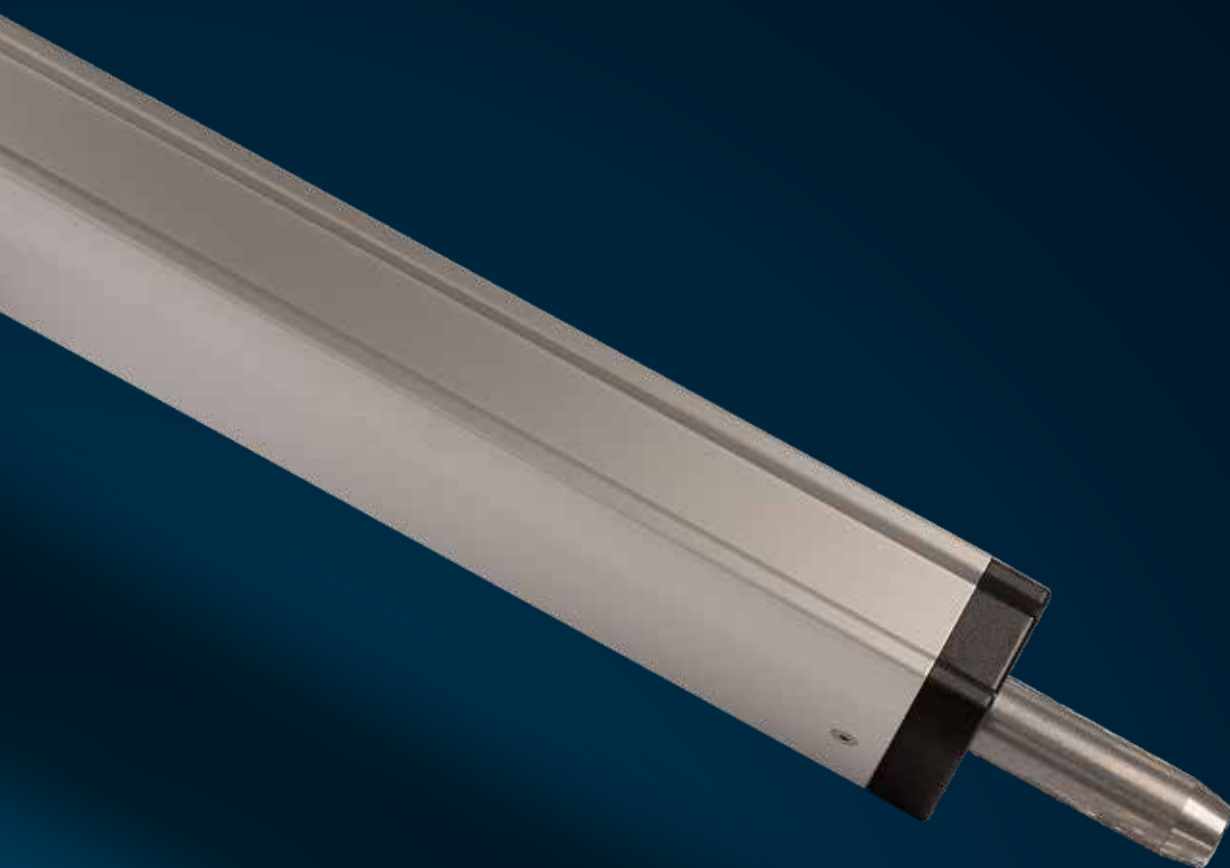




GATE BOLT

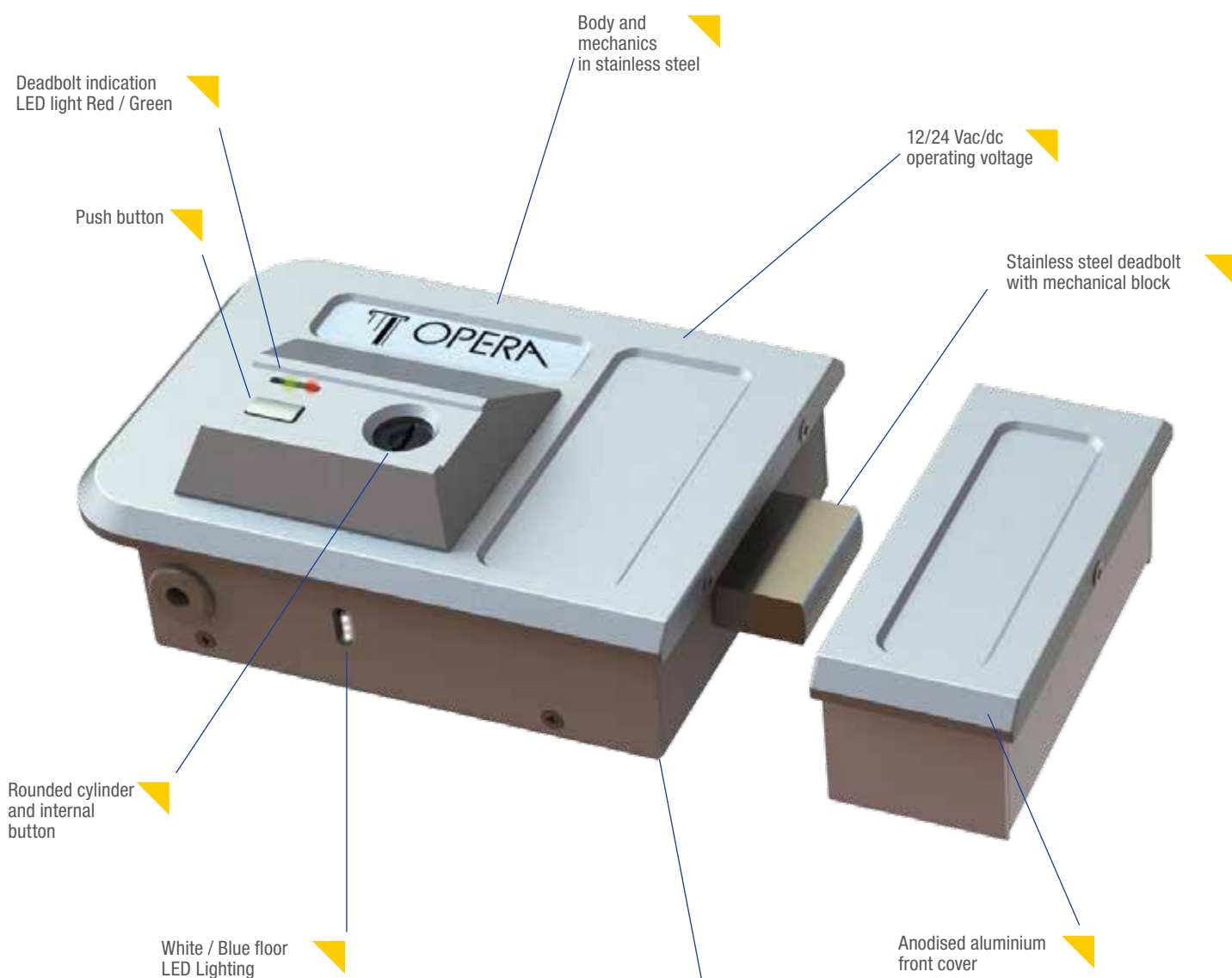
- ▶ SECURITY SOLENOID LOCKS FOR GARAGES AND AUTOMATIC GATES
- ▶ ANTI CUTTING HARDENED STEEL REVOLVING BOLT WITH MECHANICAL BLOCK IN CLOSING POSITION
- ▶ MANUAL ACTIVATION WITH EUROPEAN CYLINDER
- ▶ ENTIRELY IN STAINLESS STEEL, RESISTANT TO WEATHER CONDITIONS EXPOSURE
- ▶ ACTIVATION THROUGH GATE REMOTE CONTROL





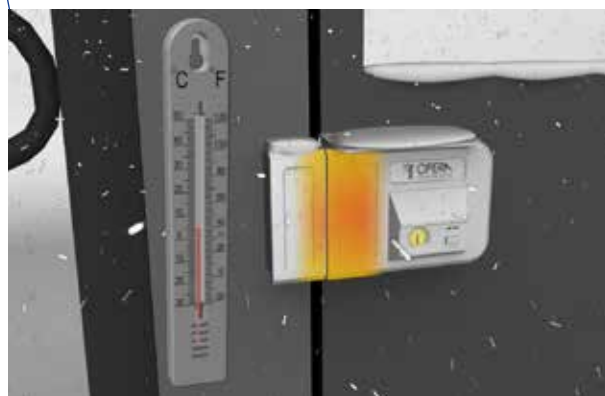
GATE BOLT

www.opera-italy.com



PLUS

- ▶ Rim solenoid lock for gates and doors
- ▶ Fail secure deadbolt without power
- ▶ Resistant to weather conditions
- ▶ Interchangeable with traditional electric locks
- ▶ Automatic deadbolt closing
- ▶ Rounded cylinder with adjustable entry



This feature is automatically activated when temperature drops below 5°C (41°). The antifreeze protection integrated into the lock body prevents freezing of the mechanical parts, including cylinder



SOLENOID LOCK ON AN EXTERNAL GATE



1



SOLENOID LOCK ON A DOOR



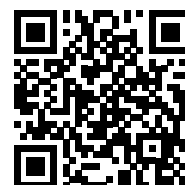
3



4

PLUS EXAMPLE

1. Closed gate
2. Open gate
3. Closed door
4. Open door

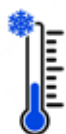




Serie 28001 - 28003



Serie 28002



+5°C

With internal self-heating

Art.

Description

ELECTRIC RIM LOCK FOR GATES**Rim Version**

Stainless steel lock body and striking plate
 Anodized aluminum lock and plate cover
 Deadbolt closed in case of power failure – fail secure
 Mechanical opening from outside with round cylinder
 Adjustable backset mm 50 – 60 - 70
 Stainless steel deadbolt dimensions 35 x 12 mm (stroke 25 mm)
 Burglar resistant device on deadbolt in the closed position
 Power supply: 12/24Vac/dc
 Absorbed current 1,2 A peak, 370 mA for maintenance
 Hall effect sensor for door position
 Closing timing if door not opened adjustable from 5 s to 60 s
 Output relay contact C/NO/NC for deadbolt status indication (only M version)
 Two colour red/green LED for deadbolt open/closed status reporting
 Nighttime LED ground illumination,
 blue when deadbolt closed and white when deadbolt open
 Suitable for outdoor operation – weather proof,
**Internal self-heating - when temperature drops below 5°C,
 coil warms-up to avoid freezing**

Versions available:

28001.1 Inwards opening with mechanical key – right hand
 28001.2 Inwards opening with mechanical key – left hand
 28002.1 Inwards opening with knob cylinder – right hand
 28002.2 Inwards opening with knob cylinder – left hand
 28003.1 Inwards opening with push button or key – right hand
 28003.2 Inwards opening with push button or key – left hand

On request:

P/N + SC supplied without cylinder (e.g. 28001SC)
 P/N + N black anodized cover (e.g. 28001N)
 P/N + BR bronze anodized cover (e.g. 28001BR)
 P/N + M version with remote deadbolt status relay (e.g. 28001M)
 P/N + DR version with lifted up cover to suit high security cylinder (e.g. 28001DR)
 P/N + XL version with extended deadbolt + 10mm
 Art. + XXL version with extended deadbolt + 20mm
 P/N + P added push button on item 28002
 Art. + CP supplied with flat striking plate

Use: electric safety lock for indoor/outdoor pedestrian gates and wood condominium external doors

00282

COVER PLATE

Stainless steel cover plate for mounting the Gate lock on a gate 280 - 281 - 282

00280C

00280L

00280S

SPACERS

Stainless steel spacer (1mm) for 280 series striking plate
 Stainless steel spacer (2mm) for 280 series striking plate
 Stainless steel spacer (1mm) for lock 280 series

00280UNI

FIXING PLATE FOR LOCK AND STRIKING PLATES

Stainless steel plate 3mm thickness with fixing holes for lock 280 series



RIM ELECTRIC LOCK FOR GATES AND EXTERNAL DOORS GATE LOCK SERIES

Art.

Description



00281.1
00281.2
00281.1BR
00281.2BR
00281.1N
00281.2N

STRIKING PLATE (REPLACEMENT) FOR 280 SERIES

Right hand silver front plate
Left hand silver front plate
Right hand bronze front plate
Left hand bronze front plate
Right hand dark front plate
Left hand dark front plate



00281CP

FLAT STRIKING PLATE (REPLACEMENT) FOR SERIES 280 - 282

Stainless steel striking plate with position magnet
Dimensions: mm. 110 x 40 x 3



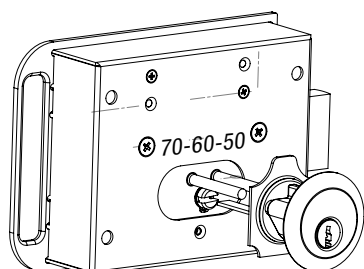
Silver finish



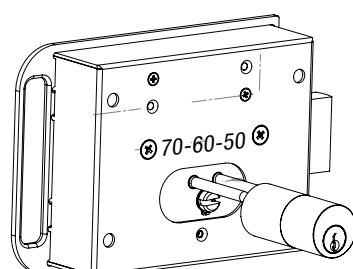
Bronze finish



Black finish

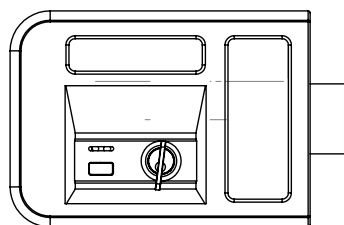


Round cylinder for gates

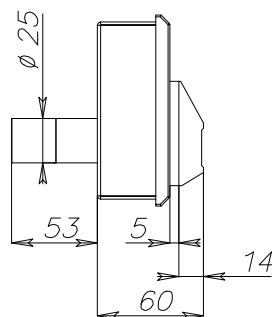
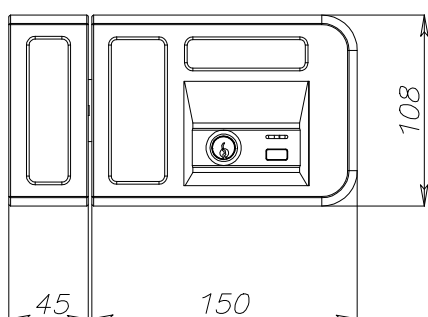
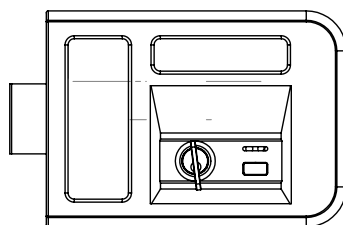
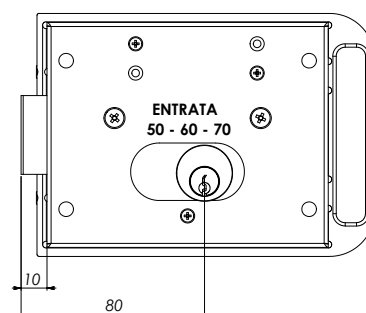


Inserimento cilindro staccato
per portoni in legno
(non di nostra fornitura)

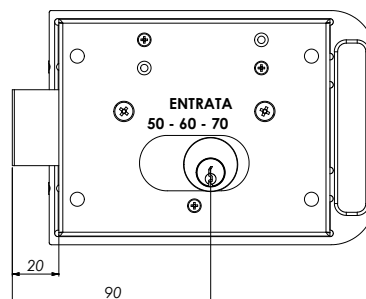
Right hand



Left hand

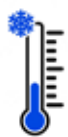
**BACKSET MM 80 AND 90**

backset 80 mm with version XL



backset 90 mm with version XXL





+5°C

With internal self heating

Art.

Description

MOTORISED ELECTRIC RIM LOCK**Rim Version**

Stainless steel lock body and striking plate
 Anodized aluminum lock and plate cover
 Deadbolt closed in case of power failure – fail secure
 Mechanical opening from outside with euro-profile cylinder
 Backset mm 60 or 80
 Stainless steel deadbolt dimensions 35 x 12 mm (stroke 25 mm)
 Burglar resistant device on deadbolt in the closed position
 Power supply: 12/24Vac/dc
 Absorbed current 200mA at 12Vdc
 Hall effect sensor for door position
 Closing timing if door not opened adjustable from 5 s to 60 s
 Output relay contact C/NO/NC for deadbolt status indication (only M version)
 Two colour red/green LED for deadbolt open/closed status reporting
 Nighttime LED ground illumination, blue when deadbolt closed and white when deadbolt open
 Suitable for outdoor operation – weather proof, internal self-heating.
 When temperature drops below 5°C, coil warms-up to avoid freezing

28201.1.60Backset 60mm – right hand**28201.2.60**Backset 60mm - left hand**28201.1.80**Backset 80mm – right hand**28201.2.80**Backset 80mm - left hand**Version with euro-profile cylinder and push button – supplied without cylinder:****28203.1.60**Backset 60mm – right hand**28203.2.60**Backset 60mm - left hand**28203.1.80**Backset 80mm – right hand**28203.2.80**Backset 80mm - left hand**On request:**

P/N + N black anodized cover (e.g. 28201N)

P/N + BR bronze anodized cover (e.g. 28201BR)

P/N + M version with remote deadbolt status relay (e.g. 28201M)

P/N + XL version with extended deadbolt + 10mm

Art. + CP supplied with flat striking plate (es. 28201.1.60CP)

Use: electric safety lock for indoor/outdoor pedestrian gates and wood condominium external doors**00282C****00282S****SPACERS**Stainless steel spacer (1mm) for 282 series striking plateStainless steel spacer (2mm) for 282 series striking plate**NEW****00282.1L****00282.2L****FIXING PLATE**

Stainless steel plate thickness 3 mm with fixing holes to match existing holes used for the fixing of older locks

Supplied with striking plate fixing plate

Right handLeft hand

RIM ELECTRIC LOCK FOR GATES AND EXTERNAL DOORS GATE LOCK SERIES

Art.

Description

00282

COVER PLATE

Stainless steel cover plate for 280 e 282 series



00282.1

STRIKING PLATES FOR 282 SERIES (SPARE PART)

Striking plate, right hand, silver finish front plate

00282.2

Striking plate, left hand, silver finish front plate

00282.1BR

Striking plate, right hand, bronze finish front plate

00282.2BR

Striking plate, left hand, bronze finish front plate

00282.1N

Striking plate, right hand, black finish front plate

00282.2N

Striking plate, left hand, black finish front plate



00281CP

FLAT STRIKING PLATE (SPARE PART) FOR 280 - 282 SERIES

Striking plate in stainless steel with magnet

Dimensions: mm. 110 x 40 x 3



Silver finish



Bronze finish



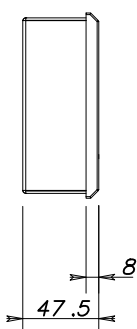
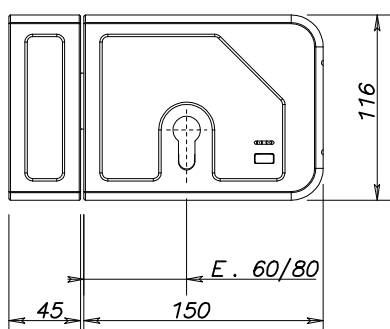
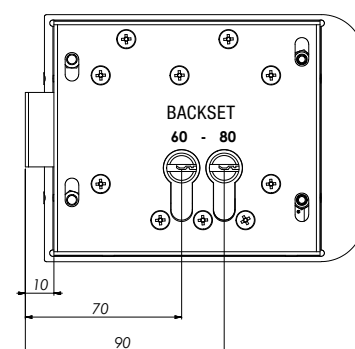
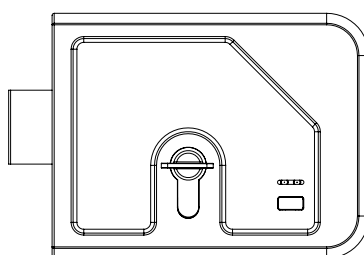
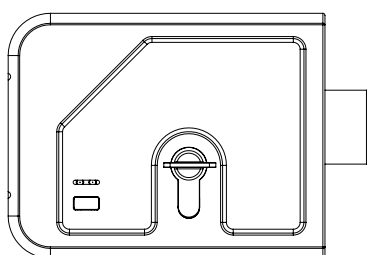
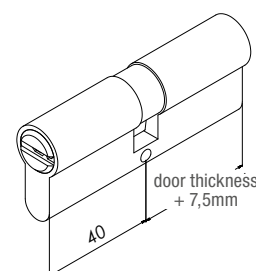
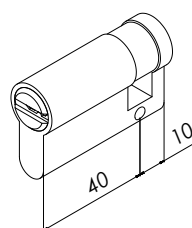
Black finish

Right hand

Left hand

BACKSET MM 70 E 90

XL Version

**CYLINDER LENGTH**



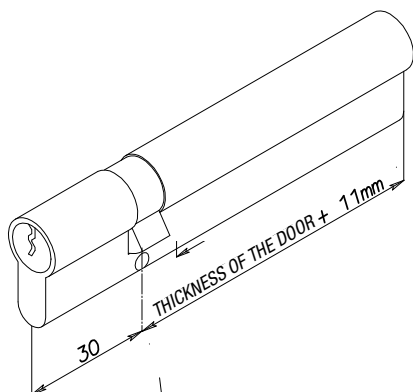
Art.	Description
	SOLENOID LOCK FOR GARAGE DOORS Version: for surface fixing Lock body in anti-corrosion treated steel Casing cover in stainless steel Dimensions of the body (mm): 300 x 45 x 42 Mechanical opening and closing with European type cylinder (through bolt hole from both sides) - Provided without cylinder To select the length of the cylinder see page 165 Rubber weather protection of the cylinder hole Deadbolt in steel diameter (mm) 18 x extension 28 (stroke 25) Bolt "total reaction" burglar device in closed position (only version 28700) C. / N.O. / N.C. output contact Operating voltage: 24 Vdc (See item 05332A - page 197) Absorbed current 3 A peak, 300 mA in standby Fail locked version - <u>Deadbolt closed without power</u> Fail unlocked version - <u>Deadbolt open without power</u>
28700	
28710	
Art + OR	On request: <u>solenoid lock for horizontal operation</u>
	Use: high security solenoid lock for automatic gates and hinges doors for garages



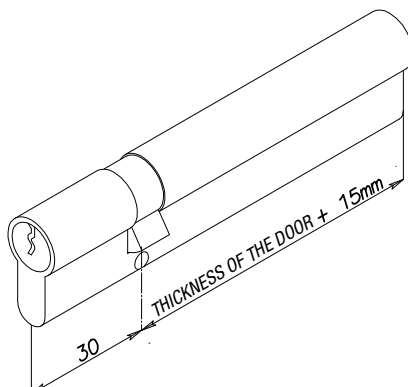
02290	FLOOR STRIKE Stainless steel striking plate for bolt insertion into the floor. For item Art. 28700 – 28710 - 28720 - 28800 and 28800LC Dimension : mm 120 diameter x 5mm thickness
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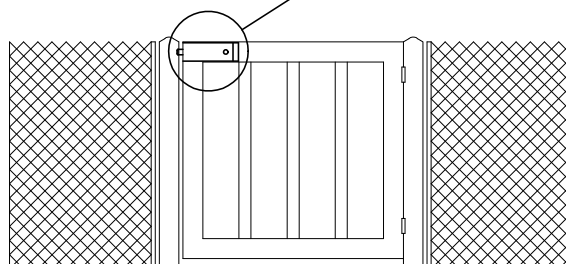
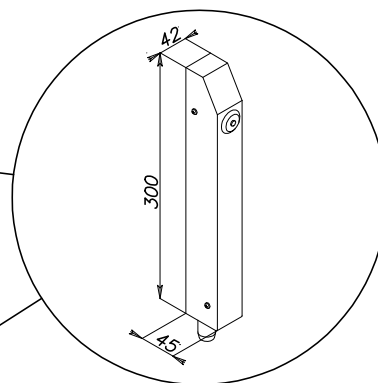
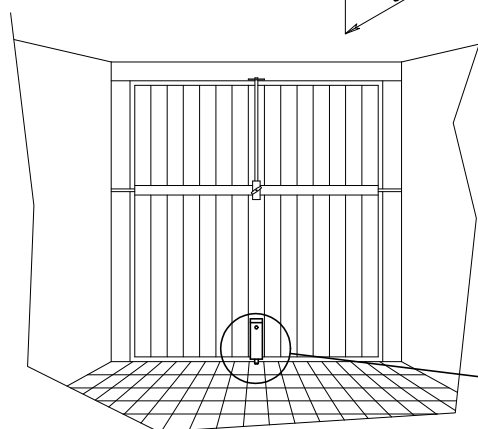
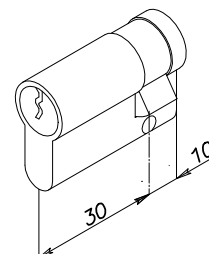
Lenght of the double cylinder



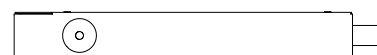
Lenght of the double cylinder and tamper defender item code 02250



Lenght of the half cylinder

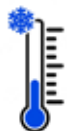
**MOUNTING DRAWING**

Standard

On demand - without
mechanical deadlocking

On demand





+5°C

Internal self heating



Art.	Description
	MOTOR DEADBOLT FOR AUTOMATIC GATES LEGION SERIES Fail locked version - deadbolt closed with no power Lock body in stainless steel, aluminium cover with plastic ends Dimensions: 515 x 41,5 x 57,5 Mechanical opening with Euro-profile cylinder (from both sides) Cylinder not included - stainless steel fixing plate not included To select the length of the cylinder see page 167 - Internal side cylinder length mm 35- 10 Steel made bolt diameter (mm) 18 x extension 55 (stroke 55) Bolt "total reaction" burglar device in closed position C. / N.O. / N.C. output contact Operating voltage: 12 - 30Vdc / 12 - 18Vac Absorbed current 600mA at 12V / 300 mA at 24V Internal self-heating – when temperature drops under 5°C , coil warms-up to avoid freezing Time adjustment: T1 - between 0-5 seconds from re-locking after door opening T2 - between 5-180 seconds if door is not opened T3 - between 1-180 seconds to get an alarm if the door remains open MODE OF OPERATION Automatic mode - opening command by dry contact or electrical impulse and closing controlled by an magnetic sensor Bistable mode - one command to open, one command to close Fail safe function - bolt opens automatically in case of power failure (use item 02295 and a battery) 28720 <u>Carter in satin anodised finish</u> 28720N <u>Carter in black anodised finish</u> Use: high security motor lock for automatic gates. It can be used downward, upward and horizontally.
02287	FIXING PLATE Stainless steel plate for mounting the Legion Bolt , mm 515 x 41,5
02290	FLOOR STRIKE Stainless steel striking plate for bolt insertion into the floor. For item 28700 – 28710 - 28720 – 28800 – 28800LC Dimension : mm 120 diameter x 5mm thickness
02291 02291N 02292 02293	RIM MOUNTING STRIKING PLATE Stainless steel body with aluminium cover for 28720 series Dimensionis mm 100 x 57,5 x 41,5 <u>Silver anodised</u> <u>Dark anodised</u> <u>Stainless steel spacer 3 mm.</u> <u>Stainless steel spacer 1 mm.</u>



Art.

Description

02295

FAIL SAFE CIRCUIT

Box in ABS dimensions mm 50 x 40 x 20

Power 12-18 Vac / 15-24 Vdc - Current Max 5A

Max power absorption 75 W

Stable output 13 Vdc

It must be used with battery 00712 - battery charger

Led indication in case of power failure

Use: Automatic one time opening of the bolt in case of power failure

02250LG

TAMPER DEFENDER

Matt chromium plated body in hardened steel

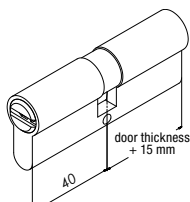
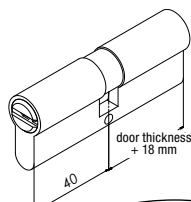
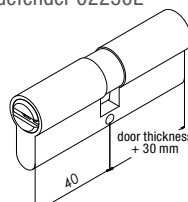
Dimensions (mm): 90 x 30 x 15

Fixing with through bolt holes from the inside of the door

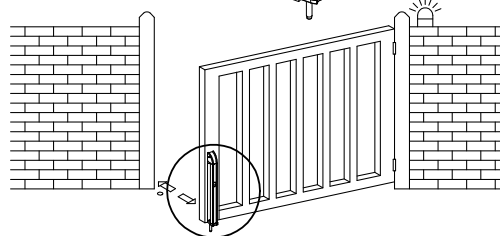
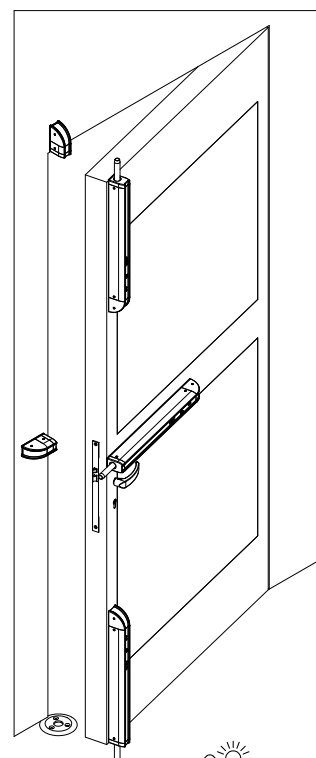
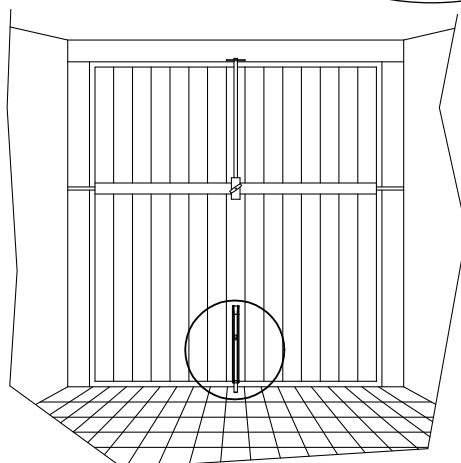
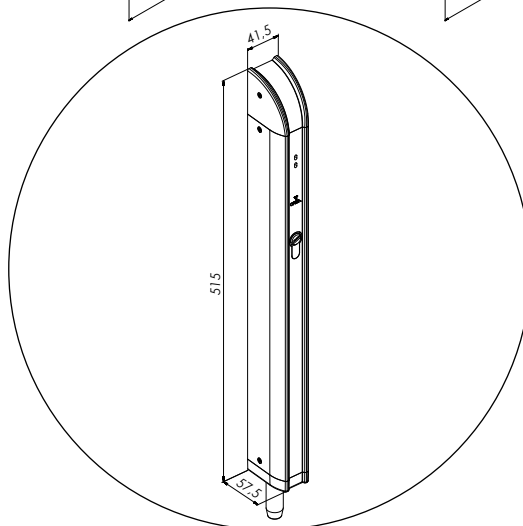
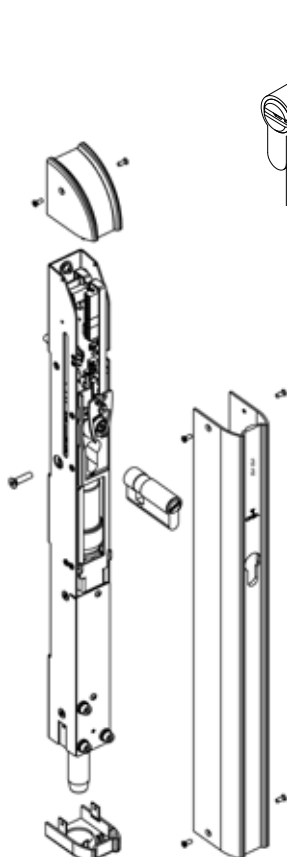
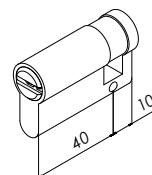
Usable with cylinders which protrude up to 4 mm.

Use: tamper defender for security cylinders

Can be used with all cylinders mounted on Maxima electromechanical locks

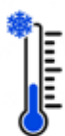
Double cylinder length
without fixing plateDouble cylinder length
with fixing plateDouble cylinder length
with fixing plate and
defender 02250L

Single cylinder length



GATE BOLT

www.opera-italy.com



+5°C

With internal self-heating

Art.	Description
	SOLENOID LOCK FOR AUTOMATIC GATES Version: for surface fixing Lock body in stainless steel, aluminium and anti-corrosion treated steel Casing cover in stainless steel (version 28800) Casing cover in black painted steel (version 28800LC) Flat fixing plate in stainless steel to be welded (version 28800) Dimensions of the body (mm): 335 x 60 x 55 Mechanical opening with Euro-profile cylinder (from both sides) Provided without cylinder To select the length of the cylinder see page 169 Rubber weather protection of the cylinder hole Deadbolt in steel diameter (mm) 20 x extension 60 (stroke 50) Bolt "total reaction" burglar device in closed position C. / N.O. / N.C. output contact Operating voltage : 24 Vdc Absorbed current 5 A peak, 750/900 mA in standby Internal self-heating – when temperature drops under 5°C , coil warms-up to avoid freezing. (standard in 28800 version) Fail locked version - Deadbolt closed without power
28800	Carter in stainless steel with fixing plate item 02288
28800LC	Carter in black painted steel without fixing plate item 02288
Art. + OR	On request:
Art + MIC	<u>Solenoid lock for horizontal operation</u>
Art. + W	<u>Solenoid lock with anti-tamper protection and microswitch</u>
	<u>Version with internal self-heating 28800LC</u>
	Use: high security solenoid lock for automatic gates



02288

FIXING PLATE FOR GATE LOCK - REPLACEMENT

Flat plate in stainless steel for fixing of solenoid lock item 28800 and 28800LC to the gate.
Supplied in ref 28800

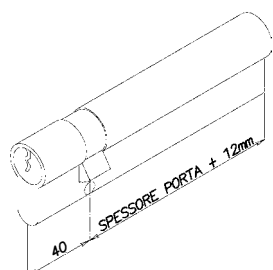
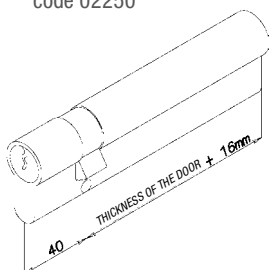
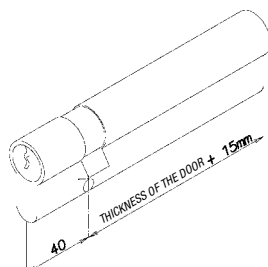
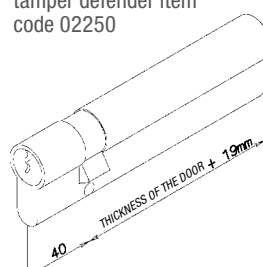


02290

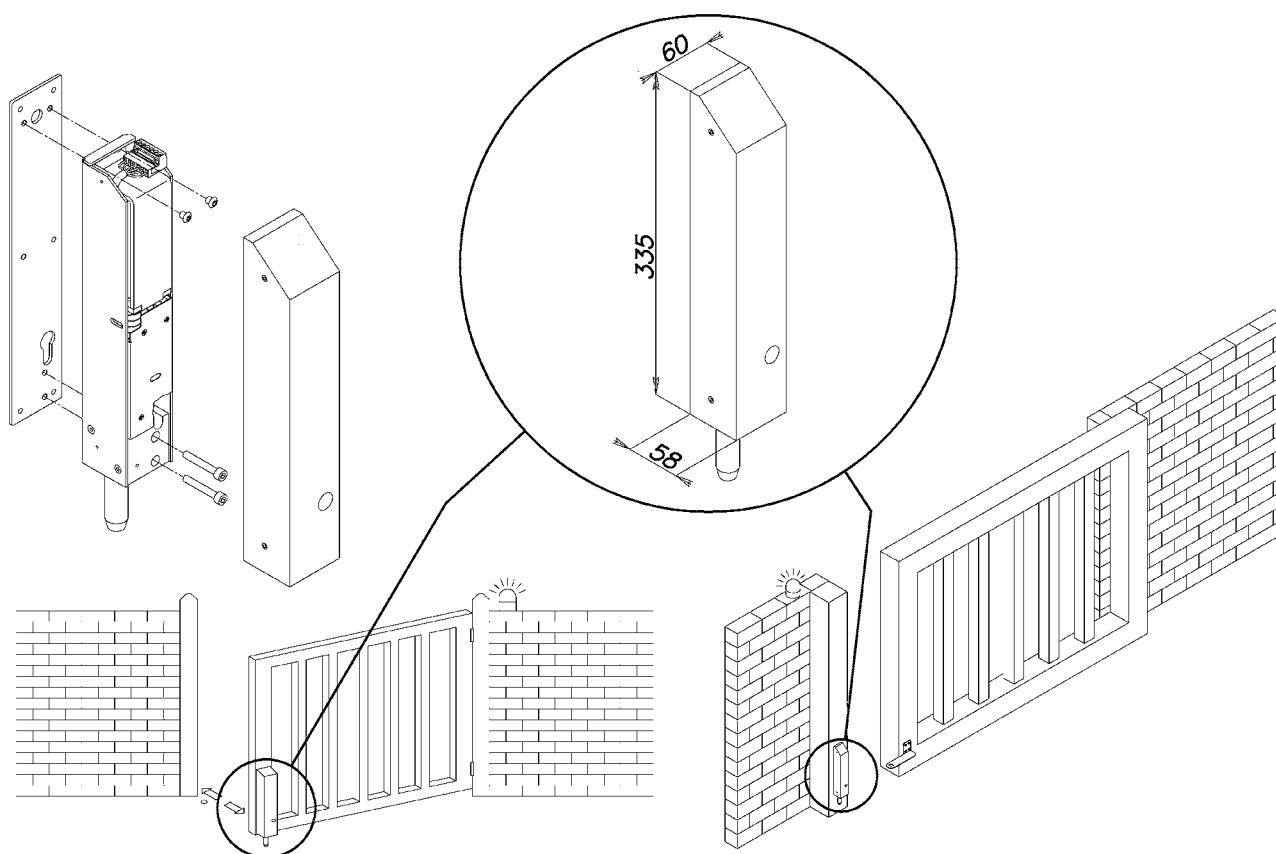
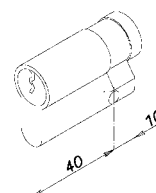
FLOOR STRIKE

Stainless steel striking plate for bolt insertion into the floor.
For item 28700 – 28710 - 28720 – 28800 – 28800LC
Dimension: mm 120 diameter x 5mm thickness



Double cylinder length
without under plateDouble cylinder length
without under plate and
tamper defender item
code 02250Double cylinder length
with under plateDouble cylinder length
with under plate and
tamper defender item
code 02250

Length of the half cylinder



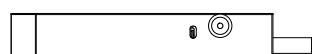
MOUNTING DRAWING



Standard



Not possible



On demand



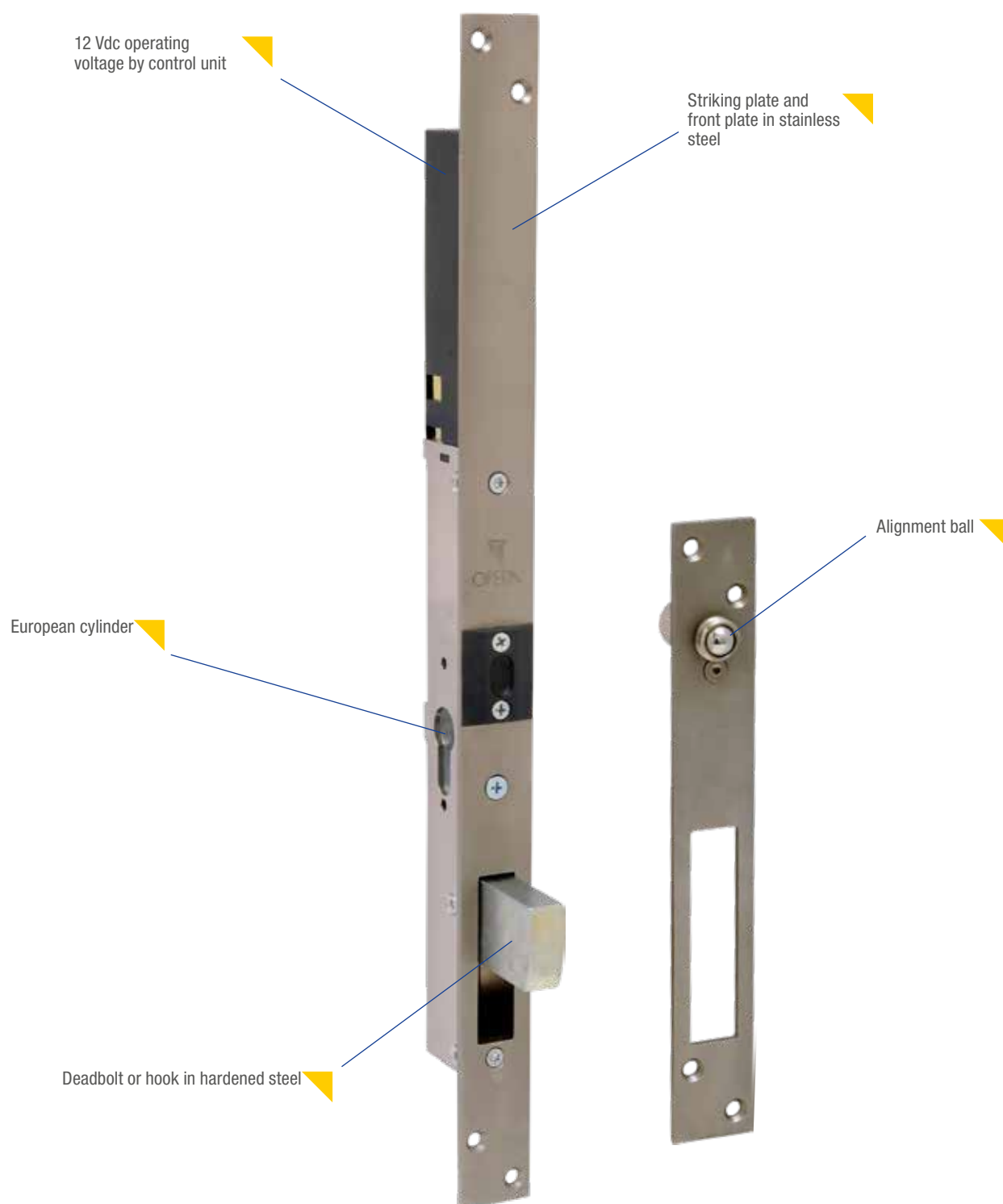


IMAXIMA

- ▶ HIGH SECURITY MOTORISED LOCKS
- ▶ SWINGING DEADBOLT WITH ANTI CUTTING MECHANICAL BLOCK
- ▶ MANUAL ACTIVATION WITH EUROPEAN CYLINDER
- ▶ HOOK VERSION FOR SLIDING DOORS
- ▶ CONTROL UNIT FOR SINGLE AND INTERLOCKED DOORS







PLUS

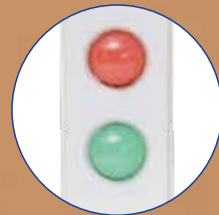
- High security motorised lock
- Swinging deadbolt with anti cutting mechanical block in closing position
- Deadbolt hook version for sliding doors
- Quick execution of the opening and closing commands
- High resistance to breaking and entering
- Mechanical opening and closing with European cylinder



INTERNAL OPENING






EXTERNAL OPENING



PLUS EXAMPLE

- 1 Door jamb solenoid lock for reinforced and metal profiles
- 2 Single or interlocked doors management
- 3 Mounting on the frame or the door shutter
- 4 To be matched with intercom and access control systems



Art.	Description
	MOTORISED LOCK Mechanical opening with European type cylinder (cylinder with internal knob not usable) Striking plate in stainless steel (mm): 440 x 30 x 3 Armature plate in stainless steel with anti-rebound ball-catch (stroke adjustable at exit to 15 mm.): 216 x 30 x 3 mm. Swinging deadbolt in hardened anti-cutting steel (mm) 35 x 14 x extension 40 Lock body dimensions on page 176 Deadbolt mechanical block in closed position Magnetic sensor with N.O. contact for verification of the door position to be inserted on the door frame. Magnet and sensor adjustable in extension up to 25 mm Output cable to the motor unit with rapid plug-in connector Operating voltage: 12 Vdc from control electronics Maximum current consumption 4 A peak with electronic control limiter Maximum activation time: 0.15 seconds Opto-electronic bolt position control <u>Backset (mm): 20</u> <u>Backset (mm): 25</u> <u>Backset (mm): 30</u> <u>Backset (mm): 35</u> <u>Backset (mm): 50</u>
	25500 20
	25500 25
	25500 30
	25500 35
	25500 50
	Use: high security solenoid lock for single hinged doors or interlocking systems. Management by control electronics Art. 54250 and 54255
	MOTORISED LOCK WITH HOOK DEAD BOLT Mechanical opening with European type cylinder (cylinder with internal knob not usable) Mechanical and electronic characteristics are the same as the previous article except: Swinging hook deadbolt in hardened anti-cutting steel (mm) 35 x 14 x extension 40 <u>Backset (mm): 20</u> <u>Backset (mm): 25</u> <u>Backset (mm): 30</u> <u>Backset (mm): 35</u> <u>Backset (mm): 50</u>
	25511 20
	25511 25
	25511 30
	25511 35
	25511 50
	MOTOR UNIT (SPARE PART) Use: spare motor unit for motorised locks article 25500 and 25511
	04925
	TAMPER DEFENDER Matt chromium plated body in hardened steel Dimensions (mm): 90 x 30 x 15 Fixing with through bolt holes from the inside of the door Usable with cylinders which protrude up to 4 mm. Use: tamper defender for security cylinders Can be used with all cylinders mounted on Maxima electromechanical locks
	02250L



Art.

Description

54250

ELECTRONIC CONTROL UNIT**For management of one door**

Box in grey ABS, dimensions (mm) 240 x 150 x 48

Operating voltage: 10-12 Vac / 65 V.A, 12 Vdc / 3 A

Absorbed current: 100 mA in stand-by / 4 A at peak of electromechanical lock

Ready for interlocking connection of 2 or more doors

Inputs with N.O. contacts for:

- Opening
- Block or Metal Detector
- Emergency
- Bolt position (opto-electronic)
- Door position

Outputs:

- Double switching relay C./N.O./N.C for deadbolt status signalling and for connection to indicator lamps
- Fault Alarm Open Collector Contact
- Possibility of connection in cascade to interlock several doors with each other (to be connected one for each door to be controlled)
- Automatic relocking after 0.5 seconds (selectable at 1 second) upo approach of the door
- Automatic relocking after 6 seconds (selectable at 13 seconds) if the door is not opened
- Automatic repetition of the command received if not executed in opening with 4 consecutive attempts
- Automatic repetition of the command received if not executed in closing with 4 consecutive attempts
- Electronic control and protection of non-executed command

Use: electronic control unit for timed and/or interlocking management of electromechanical locks Maxima series 25500 and 25511



54255

ELECTRONIC CONTROL UNIT**For management of two doors**

Box in wall mount ABS, dimensions (mm) 300 x 225 x 130

Operating voltage: 230 Vac (internal transformer)

Same electrical and operational characteristics as item 54250 but for management of 2 doors in interlocking configuration

Use: electronic control unit for timed and/or interlocking management of electromechanical locks Maxima series 25500 and 25511



02255

ARMATURE PLATE**FOR MAXIMA SERIES SOLENOID LOCKS**

Armature plate in stainless steel with anti-rebound ball-catch (stroke adjustable at exit to 15) - Dimensions (mm): 216 x 30 x 3



05426

MULTI-POLE CABLE

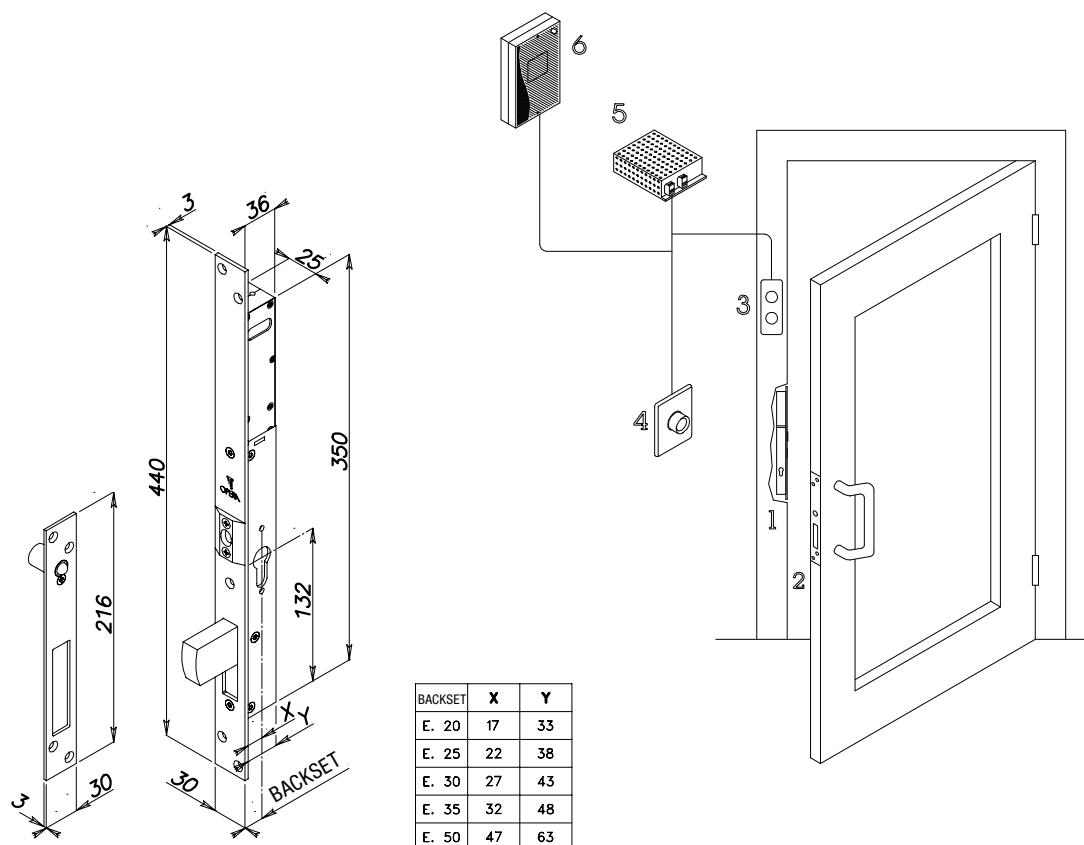
Multi-pole cable 2 x 1 sq mm. + 8 x 0.22 with the same colouring as the cable on the electromechanical lock motor unit

Per metre

Use: cable for systems with electromechanical lock Maxima series 25500 and 25511



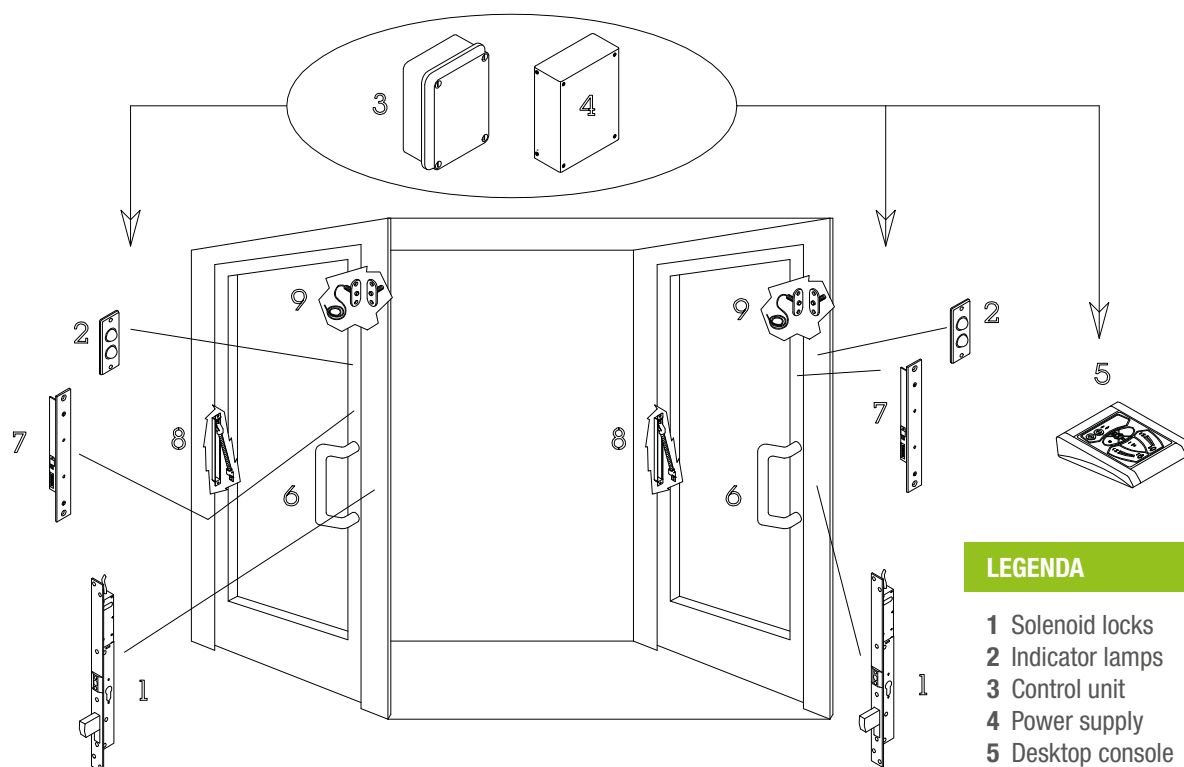
CLOSING SYSTEM WITH MAXIMA SERIE SOLENOID LOCK



LEGENDA

- 1 Solenoid lock
- 2 Striking plate
- 3 Indicator lamps
- 4 Button
- 5 Power supply
- 6 Control unit

INTERLOCKING SYSTEM WITH MAXIMA SERIE SOLENOID LOCKS





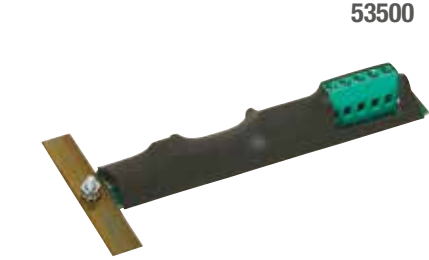




LEGENDA

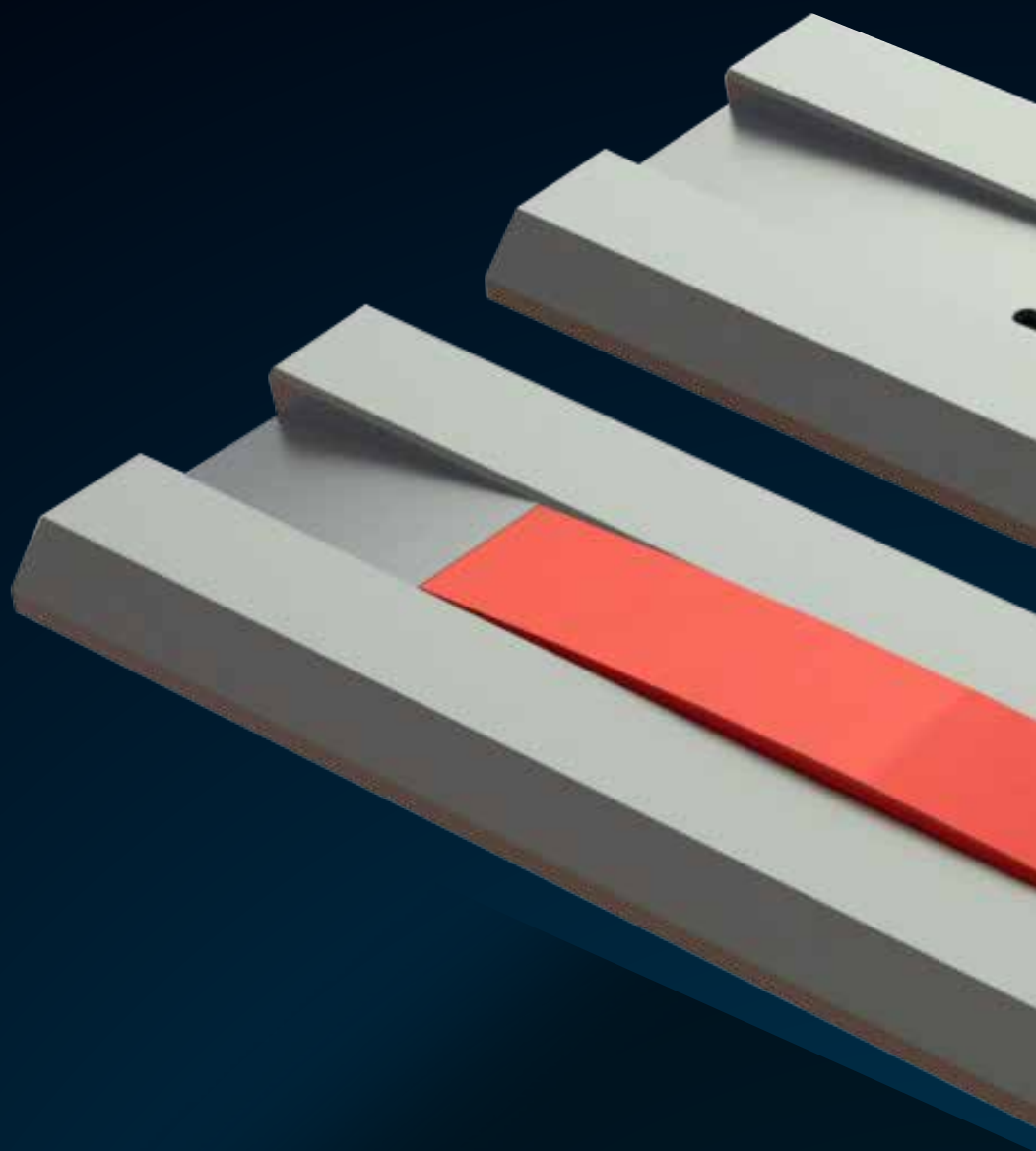
- 1 Solenoid locks
- 2 Indicator lamps
- 3 Control unit
- 4 Power supply
- 5 Desktop console
- 6 Bars
- 7 Sensitive cards
- 8 Lead covers
- 9 Magnetic sensors



SENSITIVE HANDLES AND SENSITIVE BOARDS

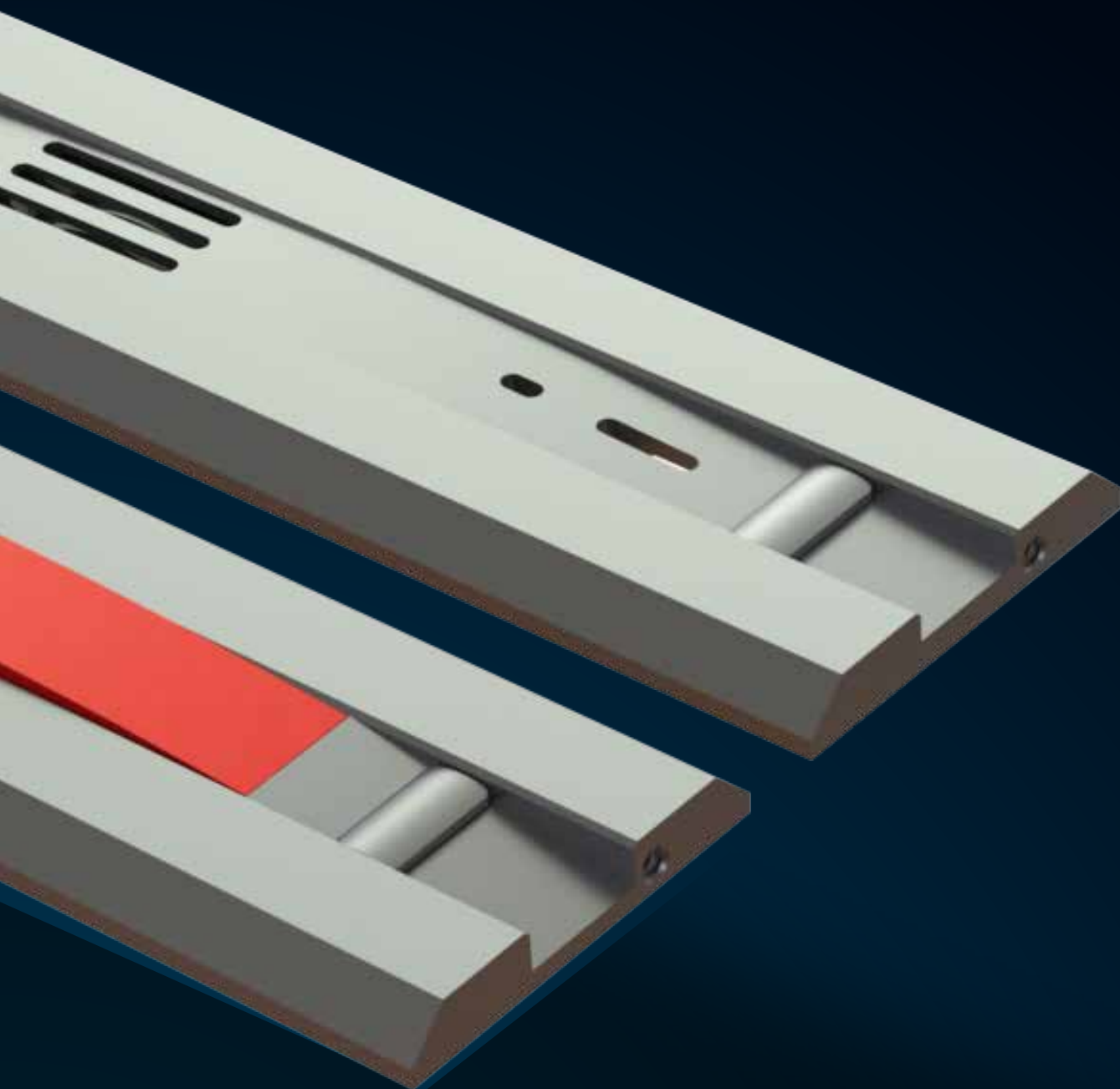
Art.	Description	
	<p>03510 VERTICAL HANDLE Vertical handle with elbows in plastic and central tube in silver anodized aluminium 300 mm. (longer lengths available on request) Elbow with 4 through wires ready for connection to sensitive board Art. 53500 On request: dark brown, black or painted red, yellow, green tube</p>	
	<p>03520 HORIZONTAL HANDLE Horizontal handle with elbows in plastic and central tube in silver anodized aluminium 300 mm. (longer lengths available on request) Elbow with 4 through wires ready for connection to sensitive board Art. 53500 On request: dark brown, black or painted red, yellow, green tube</p>	
	<p>03515 VERTICAL HANDLE Vertical handle entirely in black painted aluminium 395 mm. ready for connection to sensitive board Art. 53501 On request: painted red or yellow</p>	
	<p>03525 HORIZONTAL HANDLE Horizontal handle entirely in black painted aluminium 395 mm. ready for connection to sensitive board Art. 53501 On request: painted red or yellow</p>	
	<p>53500 SENSITIVE BOARD Sensitive board with contact plate for insertion inside tube for handles Art. 03510 and 03520 Dimensions (mm): 120 x 15 x 17 Operating voltage: 12 - 24 Vdc Absorbed current: 10 mA in stand-by / 50 mA with relay activated Relay in switching: 2 A @ 24 Vdc / 1 A @ 120 Vac Sensitivity adjustment trimmer. Indicator LED of sensitivity calibration Stable output contact with relay C./N.O./N.C Note: the sensitivity board is not suitable for operation with Prima and Classica series solenoid locks.</p>	
	<p>53501 SENSITIVE BOARD WITH FRONT PLATE Sensitive board ready for connection to handles Art. 03515 and 03525 Same electrical characteristics as Art. 53500 Front plate in anodized aluminium for insertion in the door profile Front plate dimensions (mm): 200 x 25 x 2 Dimensions (mm): 120 x 15 x 17 Hole for sensitivity adjustment trimmer Hole for sensitivity calibration indicator LED Note: the sensitivity board is not suitable for operation with Prima and Classica series solenoid locks.</p>	
	<p>44000 PUSH BAR SWITCH (NO LATCH) Push Bar type with base in steel and horizontal activation bar in silver anodized aluminium Dimensions (mm): 860 (can be shortened up to 550 mm.) x h 60 bar x 68 thickness Mechanical block with bar pressed for the "open" release lever function Micro-switch with C./N.O./N.C contact rated 24 V / 5 A Hand: reversible Use: electric command for release of security electromagnets</p>	





I PROFILO

- ▶ ELEGANT AND INNOVATIVE INDICATOR LAMPS SERIE
- ▶ HIGH EFFICIENCY LED LIGHTING
- ▶ STANDARD RED / GREEN VERSION AS DOOR STATUS INDICATORS
- ▶ WHITE / BLUE VERSION AS LIGHTING SYSTEM OR STEP LIGHT
- ▶ REDUCED DIMENSIONS FOR INSERTION ON NARROW DOORS
- ▶ EXTERNAL INTERCOM VERSION WITH THE SAME DIMENSIONS



Fixing without visible screws

Satin finish plexiglass diffuser

12 TO 24 Vac/dc circuit
operating voltage

Silver or black anodised
aluminium front plate

Calling or door opening button



PLUS

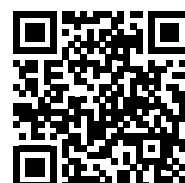
- ▶ Elegant and innovative indicator lamps serie
- ▶ High efficiency LED lighting
- ▶ Standard Red / Green version as door status indicators
- ▶ White / Blue version as lighting system or step light
- ▶ Reduced dimensions for insertion on narrow doors
- ▶ External intercom version with the same dimensions



**PLUS EXAMPLE**

- 1 Closed door status indicator
- 2 Open door status indicator
- 3 Indicator for lighting and step light

Watch the video



Art.

Description



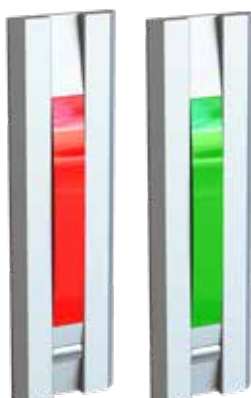
55030
55030BR
55030N

RED / GREEN INDICATOR LAMP

Front plate in anodized aluminium
 External dimensions (mm) 140 x 40 x 6
 Internal circuit dimensions (mm): 118 x 46 x 17
 Operating Voltage 12/24 Vac/dc – 30 mA with LED on
 Red / green high efficiency LED signalling
 Selection jumper for fixed or flashing light

[Silver front plate](#)
[Bronze front plate](#)
[Black front plate](#)

On request: White / blue light



55031
55031BR
55031N

RED / GREEN INDICATOR LAMP WITH PUSH BUTTON

Front plate in anodized aluminium
 External dimensions (mm) 140 x 40 x 6
 Internal circuit dimensions (mm): 118 x 46 x 17
 Operating Voltage 12/24 Vac/dc – 30 mA with LED on
 Red / green high efficiency LED signalling
 Selection jumper for fixed or flashing light
 Opening or call push button with N.O. contact

[Silver front plate](#)
[Bronze front plate](#)
[Black front plate](#)

On request: White / blue light



55033
55033BR
55033N

INTERCOM PORTER

Front plate in anodized aluminium
 External dimensions (mm) 140 x 40 x 6
 Internal circuit dimensions (mm): 118 x 28 x 19
 Operating voltage: 12 Vdc - 10 mA in stand-by / 100 mA in operation
 Call push button with blue signalling LED for handset connection
 Amplified system with loudspeaker and microphone compatible with standard 5 wires intercom systems
 Separate adjustment of loudspeaker and microphone volumes via trimmers

[Silver front plate](#)
[Bronze front plate](#)
[Black front plate](#)



INTERCOM AND INDICATOR LAMP SYSTEMS PROFILE SERIES

**Art.****Description****RED / GREEN INDICATOR LAMP**

Front plate in anodized aluminium
 External dimensions (mm) 105 x 40 x 5
 Internal circuit dimensions (mm): 80 x 26 x 16
 Operating Voltage 12/24 Vac/dc – 60 mA with LED on
 Red / green high efficiency LED signalling diameter (mm) 20
 Selection jumper for fixed or flashing light
 Command for LED selection with N.O. contacts

55010Silver front plate**55010N**Black front plate**55010BR**Bronze front plate**55010GD**Anodized gold front plate**RED / GREEN INDICATOR LAMP WITH PUSH BUTTON**

Front plate in anodized aluminium
 External dimensions (mm) 140 x 40 x 5
 Internal circuit dimensions (mm): 100 x 26 x 16
 Operational and electrical characteristics of the lamp indicator section are the same as article 55010
 Opening or call push button with N.O. contact – N.C on demand

55011Silver front plate**55011N**Black front plate**55011BR**Bronze front plate**55011GD**Anodized gold front plate**RED / GREEN INDICATOR LAMP WITH PUSH BUTTON FOR INTERCOM CALL AND PORTER**

Front plate in anodized aluminium
 External dimensions (mm) 186 x 40 x 5
 Internal circuit dimensions (mm): 162 x 33 x 16
 Operational and electrical characteristics of the lamp indicator section are the same as article 55010
 Porter intercom:
 Operating voltage: 12 Vdc - 10 mA in stand-by / 100 mA in operation
 Call push button with blue signalling LED for handset connection
 Amplified system with loudspeaker and microphone compatible with standard 5 wires intercom systems
 Separate adjustment of loudspeaker and microphone volumes via trimmers

55012Silver front plate**55012N**Black front plate**55012BR**Bronze front plate**55012GD**Anodized gold front plate



Art.

Description

OUTDOOR PORTER INTERCOM

Front plate in anodized aluminium
External dimensions (mm) 105 x 40 x 5
Internal circuit dimensions (mm): 80 x 33 x 16
Operating voltage: 12 Vdc - 10 mA in stand-by / 100 mA in operation
Call push button with blue signalling LED for handset connection
Amplified system with loudspeaker and microphone compatible with standard 5 wires intercom systems
Separate adjustment of loudspeaker and microphone volumes via trimmers

55013

Silver front plate

55013N

Black front plate

55013BR

Bronze front plate

55013GD

Anodized gold front plate



RED / GREEN INDICATOR LAMP WITH PUSH BUTTON FOR OPENING, CALL AND PORTER INTERCOM

Front plate in anodized aluminium
External dimensions (mm) 210 x 40 x 5
Internal circuit dimensions (mm): 183 x 33 x 16
Operational and electrical characteristics of the lamp indicator section are the same as article 55010
Porter intercom:
Operating voltage: 12 Vdc - 10 mA in stand-by / 100 mA in operation
Release push button for automatic opening
Call push button with blue signalling LED for connection with the inside
Amplified system with loudspeaker and microphone compatible with standard 5 wire intercom systems
Separate adjustment of loudspeaker and microphone volumes via trimmers

55014

Silver front plate

55014N

Black front plate

55014BR

Bronze front plate

55014GD

Anodized gold front plate

AVAILABLE FINISHES



Silver



Gold (GD)



Bronze (BR)



Black (N)



INTERCOM AND INDICATOR LAMP SYSTEMS PROFILE SERIES OP

Art.	Description	
OP04500 56	ALT / AVANTI INDICATOR LAMP (interchangeable with the Yale-corni traffic lights) Front plate in anodized aluminium with black polycarbonate film External dimensions (mm) 195 x 40 x 3,5 Internal circuit dimensions (mm): 135 x 35 x 25 Operating Voltage 12/24 Vac/dc – 25 mA Red / green high efficiency LED Selection jumper for fixed or flashing light Command for LED selection with N.O. contacts	
OP04500 58	ALT / AVANTI INDICATOR LAMP WITH INTERCOM FACILITIES (interchangeable with the Yale-corni traffic lights) Front plate in anodized aluminium with black polycarbonate film External dimensions (mm) 195 x 40 x 3,5 Internal circuit dimensions (mm): 175 x 35 x 30 Operating Voltage 12/24 Vac/dc – 25 mA Red / green high efficiency LED Selection jumper for fixed or flashing light Command for LED selection with N.O. contacts With loudspeaker and microphone Opening or call push button with N.O. contact To be used with porter 05515 – see page 186	
OP04501 56	RED / GREEN INDICATOR LAMP (interchangeable with the Yale-corni traffic lights) Front plate in anodized aluminium with black polycarbonate film External dimensions (mm) 160 x 40 x 3,5 Internal circuit dimensions (mm): 100 x 36 x 25 Operating Voltage 12/24 Vac/dc – 25 mA Selection jumper for fixed or flashing light Command for LED selection with N.O. contacts	
OP04501 58	RED / GREEN INDICATOR LAMP WITH INTERCOM FACILITIES (interchangeable with the Yale-corni traffic lights) Front plate in anodized aluminium with black polycarbonate film External dimensions (mm) 160 x 40 x 3,5 Internal circuit dimensions (mm): 141 x 37 x 30 Operating Voltage 12/24 Vac/dc – 25 mA Selection jumper for fixed or flashing light Command for LED selection with N.O. contacts With loudspeaker and microphone Opening or call push button with N.O. contact To be used with porter 05515 – see page 186	



Art.

Description

05512

**ELECTRONIC CONTROL UNIT
FOR MULTIPLE INTERCOM CONNECTIONS**

Container in white ABS

Dimensions (mm): 111 x 72 x 29

Connection with screw terminal bloc to 4 outdoor porter intercoms (item 05515, 55012, 55013, 55014, 55033)

Connection with 8 pole plug to 3 indoor multiport intercom handsets (05514)

Operating voltage: 12 Vdc – 40 mA in stand-by

200 mA in communication

Use: the control unit allows 4 outdoor intercom locations and 3 indoor handsets to be managed.

The call coming from an outdoor intercom location is signalled on the multiport handsets via an acoustic and visible LED signal.

The first handset which is picked up connects to the outdoor calling location, excluding the other two handsets.

Further calls during the conversation are signalled on the 3 handsets and placed on hold according to the incoming order of priority.



05513

INTERCOM HANDSET

Body in white colour ABS

Intercom connection with standard 5 wires system

Operating voltage: 12 Vdc from porter intercom

Internal call buzzer at 12 Vdc

Direct connection to the calling station

N.O. push button for release contact function for one electromechanical lock



05514

MULTIPORT INTERCOM HANDSET

Body in white colour ABS

Connection to multiport central control unit item 05512 via 8 pole connector plug

Operating voltage: 12 Vdc from intercom control unit

Visible signalling of calls via green LED

Internal call buzzer at 12 Vdc

Push button for selection function of one of the outdoor intercom stations and for "mute" selection signalled by red LED for buzzer deactivation



05515

PORTER INTERCOM

Body in black ABS, external dimensions mm 120 x 56 x 30

Internal circuit dimensions mm 80 x 33 x 16

Operating voltage: 12Vdc - 10mA in stand-by / 100 mA in operation

Call push button with blue signalling LED for handset connection

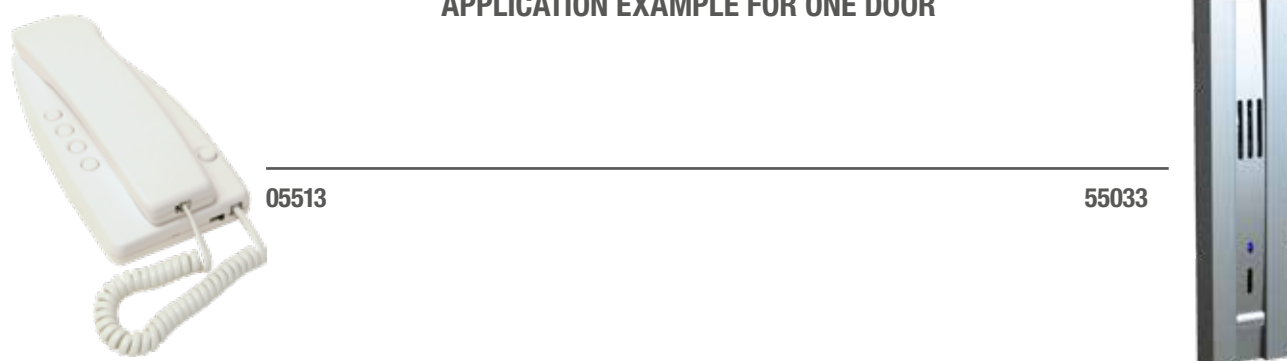
Amplified system with loudspeaker and microphone compatible with standard 5 wires intercom systems

Separate adjustment of loudspeaker and microphone volumes via trimmers

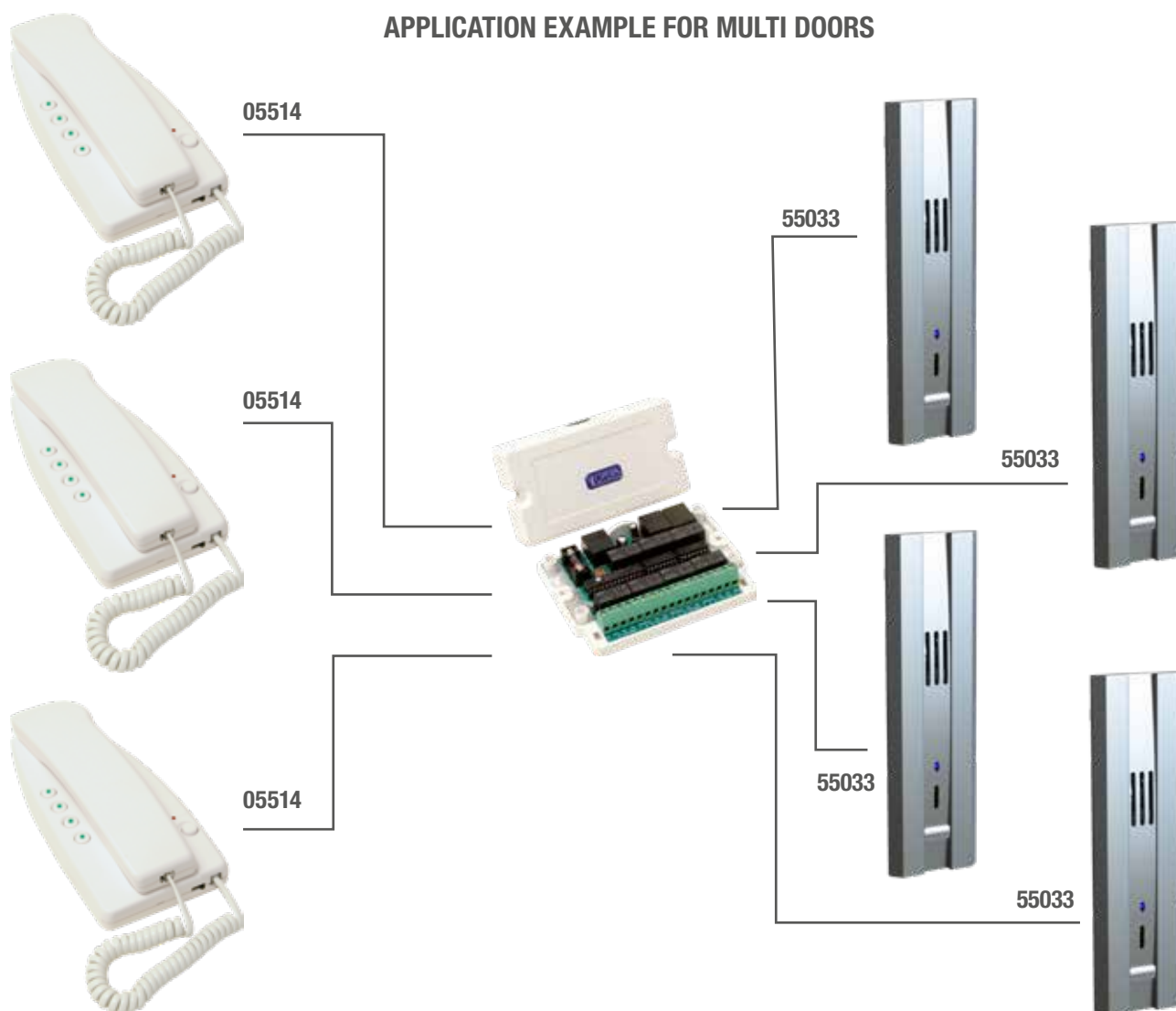
To be used with indicator lamps ref. OP04500 58 and OP04501 58



APPLICATION EXAMPLE FOR ONE DOOR



APPLICATION EXAMPLE FOR MULTI DOORS



Art.

Description

DOOR RELEASE PUSH BUTTON

Front plate in anodized aluminium
 External dimensions (mm) 105 x 40 x 5
 Internal depth dimensions (mm): 23
 Release push button with C./N.O./N.C. contact
 Electrical characteristics: 5A @ 250 Vac - 6 A @ 24 Vdc

55017**55017V****55017N****55017VN**

Front plate in silver with "Apriporta" silk screening – red button
 Front plate in silver with "Apriporta" silk screening – green button
 Front plate in black with "Apriporta" silk screening – red button
 Front plate in black with "Apriporta" silk screening – green button

**HANDICAP DOOR RELEASE PUSH BUTTON**

Front plate in anodized aluminium
 External dimensions (mm) 105 x 40 x 5
 Internal depth dimensions (mm): 23
 Release push button with C./N.O./N.C. contact
 Electrical characteristics: 5A @ 250 Vac - 6 A @ 24 Vdc

55017D**55017DV****55017DN****55017DVN**

Front plate in silver with "Apriporta" and handicap icon – red button
 Front plate in silver with "Apriporta" and handicap icon – green button
 Front plate in black with "Apriporta" and handicap icon – red button
 Front plate in black with "Apriporta" and handicap icon – green button

**FIRE-RELEASE PUSH BUTTON FOR FIRE DOORS**

Front plate in anodized aluminium
 External dimensions (mm) 105 x 40 x 5
 Internal depth dimensions (mm): 23
 Release push button with C./N.O./N.C. contact
 Electrical characteristics: 5A @ 250 Vac - 6 A @ 24 Vdc

55018**55018V****55018N****55018VN**

Front plate in silver with "Chiudiporta" – red button
 Front plate in silver with "Chiudiporta" – green button
 Front plate in black with "Chiudiporta" – red button
 Front plate in black with "Chiudiporta" – green button



Art.

Description



55020
55020EX
55020NT

ANTI-VANDAL DOOR RELEASE PUSH BUTTON FOR EXIT

Front plate in stainless steel
External dimensions (mm) 85 x 85 x 2 – British standard
Internal depth dimensions (mm): 28
Release push button with C./N.O./N.C. contact
Electrical characteristics: 5A @ 250 Vac - 6 A @ 24 Vdc
Round push button in stainless steel with green plastic edge

"Uscita" silk screen in green

"Exit" silk screen in green

Without writing

55021

EXIT BUTTON

Front plate in stainless steel
External dimensions (mm) 85 x 85 x 2 – British standard
Internal depth dimensions (mm): 28
Release push button with C./N.O./N.C. contact
Electrical characteristics: 5A @ 250 Vac - 6 A @ 24 Vdc
Round button in green plastic

Silk screen "Press to Exit" in green colour

01780

BOX FOR FLUSH MOUNT/APPLICATION MOUNT BUTTON

Body: in silver colour aluminium
Dimensions (mm): 85.5 x 85.5 x 38.5 – British standard
Use: box for flush or application mount for push button item art. 55020 and 55021

55022

EXIT BUTTON

Front plate in stainless steel
External dimensions (mm) 87 x 37 x 3
Internal depth dimensions (mm): 23
Release push button with C./N.O./N.C. contact
Electrical characteristics: 3A @ 125 Vac - 6 A @ 24 Vdc

55023

EXIT BUTTON

Front plate in stainless steel
External dimensions (mm) 87 x 37 x 3
Internal depth dimensions (mm): 23
Release push button with C./N.O./N.C. contact
Blue LED Status indicator
Electrical characteristics: 3A @ 125 Vac - 6 A @ 24 Vdc



Art.

Description



55040
55040N

MOMENTARY KEY SWITCH FOR EURO-PROFILE CYLINDER

Abs body with stainless steel cover plate

Dimensions (mm): 110 x 38 x 39

Maintained SPDT micro switch

Switch rating: 5A/125VAC

Can be used with Euro-profile cylinder dimensions 45 mm. (30 + 10 + 5)

Stainless steel cover plateStainless steel cover plate black painted**Use:** Key switch to activate electric equipment

05540
05540N

SURFACE MOUNTING BOX

S.a.a. Body

Dimensions (mm.): 110 x 38 x 46

Silver finishBlack finish**Use:** Surface or mortice box for art. 55040

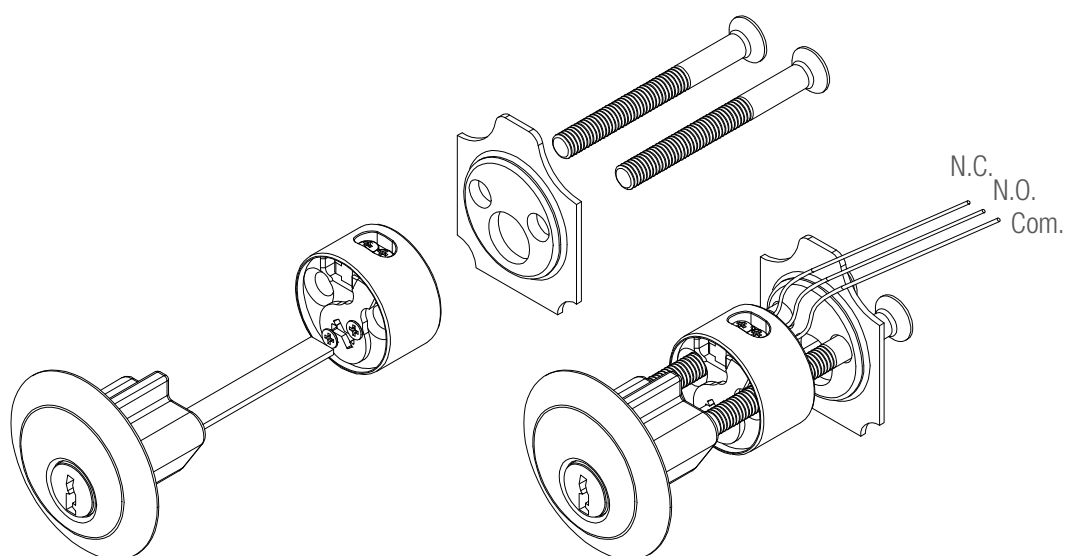
55041

MOMENTARY KEY SWITCH FOR ROUND CYLINDER

Brass body

Dimensions (mm) : 30 x 17

Release push button with C./N.O./N.C. contact, Switch rating: 5A / 125VAC

Use: Key switch to activate electric equipment

NEW



55042FC
55043FC

Description

CYLINDER MORTICE CASE WITH MICRO-SWITCH

Front plate in stainless steel mm 160 x 25 x 3
Body in anodized aluminum mm 30 x 17
Output contact C./N.O./N.C – mono stable 5A / 125Vac
Adjustable backset from 20 to 90mm

Short front plate for Euro-profile cylinder
Short front plate for Italian oval cylinder

Use: Housing for replacement of an existing mechanical mortice lock to cover the mounting holes and permitting triggering of an electronic device by means of a standard Euro-profile cylinder (or Oval cylinder)

Example: It replaces an existing mechanical mortice lock and activate, using the existing cylinder, a magnetic lock as 147 series

NEW



55042FL
55043FL

CYLINDER MORTICE CASE WITH MICRO-SWITCH

Front plate in stainless steel mm 348 x 22 x 3
Body in anodized aluminum mm 30 x 17
Output contact C./N.O./N.C – mono stable 5A / 125Vac
Adjustable backset from 20 to 90mm

Long front plate for Euro-profile cylinder
Long front plate for Italian oval cylinder

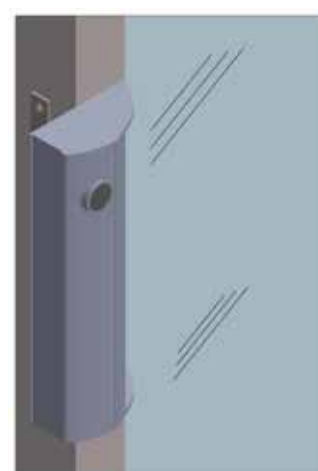
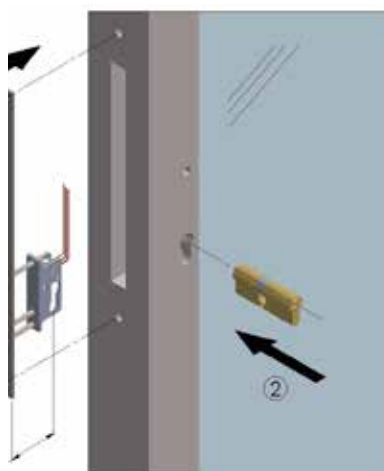
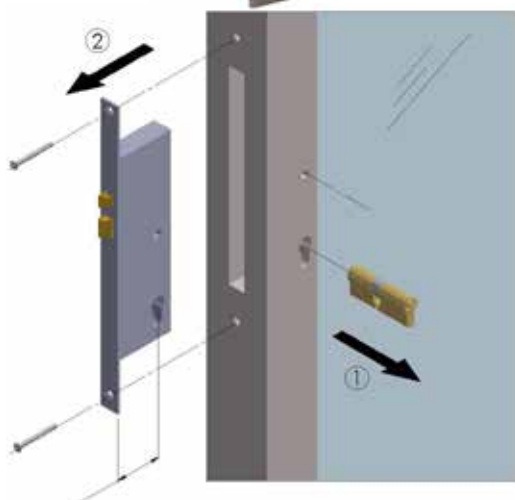
Use: Housing for replacement of an existing mechanical mortice lock to cover the mounting holes and permitting triggering of an electronic device by means of a standard Euro-profile cylinder (or Oval cylinder)

Example: It replaces an existing mechanical mortice lock and activate, using the existing cylinder, a magnetic lock as 147 series



WATCH THE VIDEO

EXAMPLE



Art.	Description
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BOX FOR INDICATOR LAMP SYSTEM FOR SURFACE FIXING

External dimensions (mm): 40 x 20 x indicator lamp front plate length

Box in silver anodized aluminium:

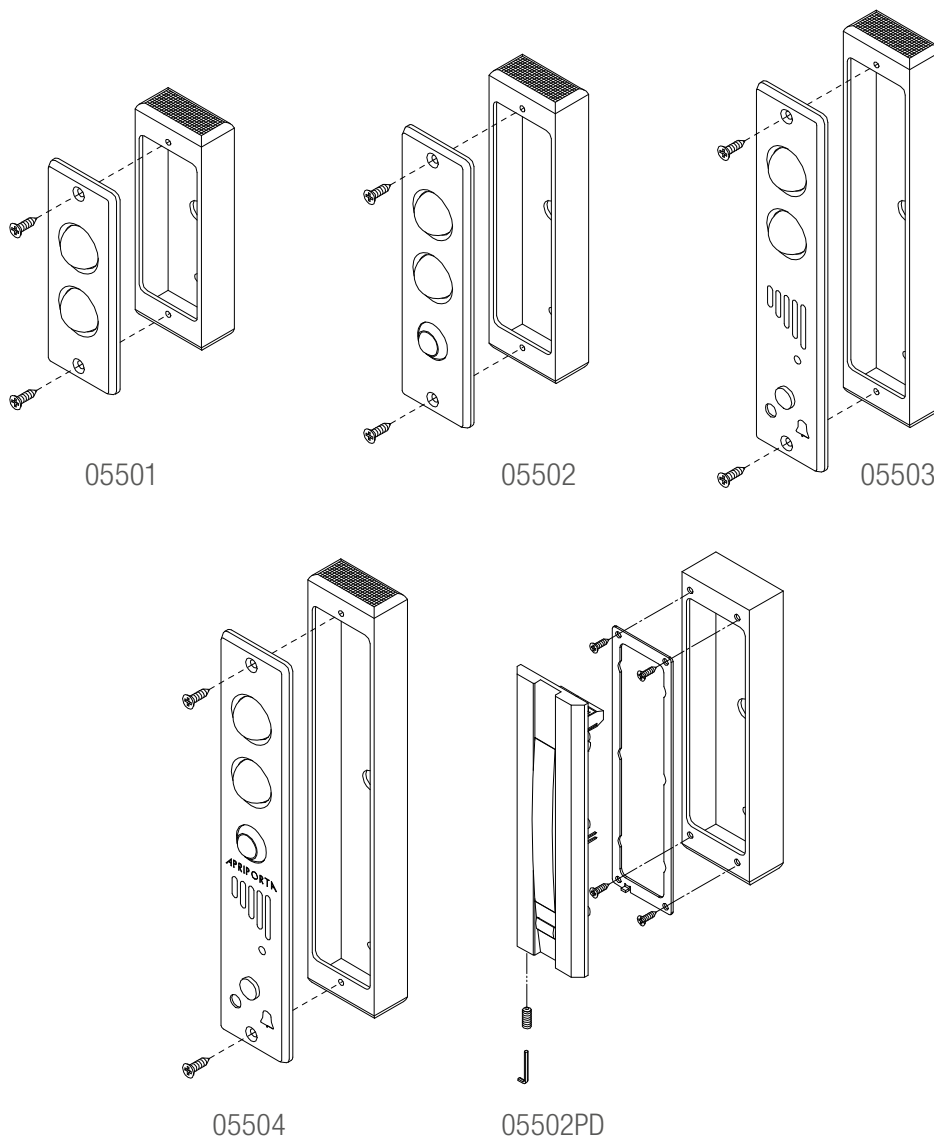
05501	<u>For article 55010 - 55013 - 55017 - 55018</u>
05502	<u>For article 55011</u>
05502PD	<u>For article 55030-55031-55033</u>
05503	<u>For article 55012</u>
05504	<u>For article 55014</u>

Anodized black colour box:

05501N	<u>For article 55010N - 55013N - 55017N - 55018N</u>
05502N	<u>For article 55011N</u>
05502PDN	<u>For article 55030N - 55031N - 55033N</u>
05503N	<u>For article 55012N</u>
05504N	<u>For article 55014N</u>

On request:

Art. + GD	<u>Anodized gold box (i.e. 55010GD)</u>
Art. + BR	<u>Anodized bronze box (i.e. 05501BR)</u>



Art.

Description

05257

INTERCOM INTERFACE FOR ELECTRIC LOCKS

ABS enclosure dimensions: mm mm 97 x 141 x 22

Input power: 9 – 12 Vac

Output: electrically operated lock activation from relay with free contact C/NO/NC timed at 5-10-15-20 s

Output fault signalling for intercom button stuck: relay with voltage free contact C/NO.

Use: allows, in addition to door relay function in installations equipped with electronic locks, to protect the lock if the intercom button is constantly pushed, disabling all command devices and reporting the failure

05258

RELAY CIRCUIT FOR INTERCOM OPENING COMMAND

Circuit dimensions (mm): 58 x 15 x 18

Input operating voltage: 9 – 12 Vac/Vdc

Output: relay with dry contact C./N.O./N.C

Use: this circuit allows the 12 Vac contact to be transformed for activation of the traditional electromechanical lock which comes from the intercom system with N.O. dry contact necessary for activation of the solenoid lock opening command. Can be used with all electromagnets in the Safety series, all solenoid locks in the Quadra series (in combination with their control units), the Prima series, Classica, Maxima series (combined with their control units)05259-12
05259-24**MAGNETIC SENSOR CONTACT CIRCUIT**

Circuit dimensions (mm): 50 x 40 x 20

Input operating voltage: 12 Vdc or 24Vdc

Minimum command current: 0,5 mA -IN / 1 mA +IN

Output: relay with dry contact C./N.O./N.C

Relay contact current: 10 A - 28 Vdc / 120 Vac

Operating voltage: 12Vdc

Operating voltage: 24Vdc

Use: this circuit allows the N.O. contact of the magnetic sensor to be transformed into a dry N.O. relay contact necessary to activate signalling. For use with all solenoid locks in the Quadra, Prima, Classica, Maxima series or magnetic sensors item 02221 and 02223

05260

TIMING CIRCUIT FOR AUTOMATIC DOORS

Circuit dimensions (mm): 71 x 48 x 16

Box in ABS dimensions (mm) 120 x 56 x 30

Input operating voltage: 12/24 Vac/Vdc

Output: relay with dry contact C./N.O./N.C

Activation delay timing relay adjustment from 0 to 60 seconds

Activation timing relay adjustment from 0 to 60 seconds

Use: this circuit allows a security electromechanical lock from the Quadra, Prima, Classica, Maxima series to be used with motorisation of door opening. Confirmation of latch opening on the electromechanical lock generates, after a pre-established time, activation of a pulse contact on the relay for opening of the motorisation

05261

VOICE CIRCUIT

Box in ABS dimensions (mm) 160 x 100 x 43

Input operating voltage: 12/24 Vac/Vdc

Current : 30 mA in stand-by /up to 200 mA with message active

Microphone built into the board for message recording

Push button on the board to activate recording

Record/playback switch

Amplified output for direct connection of a loudspeaker

Output power 1 W - 4 ohm

4 N.O. inputs for playback activation

Total time for messages: 40 seconds - Yellow playback indicator LED (Play) - Red recording indicator LED (Rec)

Use: this circuit allows up to 4 voice messages to be recorded which can be activated for playback by 4 dry contacts

Art.

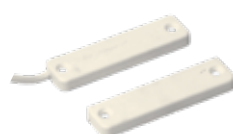
Description

02221

MAGNETIC SENSOR FOR MORTICE FIXING

Magnetic door alignment verification sensor
 Body in threaded brass
 Brackets in black ABS
 Dimensions of the bracket (mm): 50 x 20 x 3
 Internal depth dimension (mm): 28
 Magnet and sensor adjustable in extension
 2 wires connection
 N.O. output contact (N.C. with magnet)
 Maximum rating: 200 Vdc / 500 mA (10 VA max) on resistive load
 Operating temperature: -5/+ 50 °C
 Operating range: 12 mm.

02223

MAGNETIC SENSOR FOR SURFACE FIXING

Magnetic door alignment verification sensor
 Support for surface fixing in white plastic container
 Dimensions of the bracket (mm): 60 x 16 x 5
 2 wires connection
 N.O. output contact (N.C. with magnet)
 Maximum rating: 200 Vdc / 500 mA (10 VA max) on resistive load
 Operating temperature: +5/+40 °C
 Operating range: 40 mm.

02225

DOOR MECHANICAL SENSOR






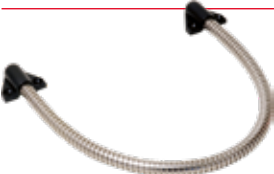


Mechanical contact for door status signalling
 Body dimensions (mm): 28 x diameter 20
 Front plate in stainless steel (mm) 42 x 23 x 3
 Body in oxidised aluminium - anodic build-up oxidation
 Ball in hardened steel
 Ball body adjustment of 10 mm.
 C. / N.O. / N.C. output contact
 Maximum rating: 1.5 A – 250 V
 Supplied with 15 cm of three wire cable

08700

ANTI-REBOUND BALL-CATCH

Ball with spring adjustment for insertion on swing doors.
 Body in nickel plated steel
 Ball front plate and strike in stainless steel
 Front plate dimensions (mm): 55 x 25 x 3
 Depth of the ball body (mm): 30
Use: anti-rebound system for swing doors with electronic locks with relocking via alignment sensor.
 Ideal for heavy doors where realignment is made difficult by excessive rebounds of the door during approach which may prejudice the proper operation of the electromechanical lock.

CABLE COVERS - ANTI-REBOUND BALL-CATCH

Art.	Description	
 <p>08600</p>	<p>CONCEALED CABLE COVER</p> <p>Flexible spring in chromium plated steel with internal diameter of 10 mm. Box for insertion into the door profile in chromium plated steel Box for mortice fixing dimensions (mm): 260 x 24 x 16 Use: concealed cable cover for direct passage of the wires between the door and the frame.</p>	
 <p>08601</p>	<p>DOOR LOOP WITH CABLES AND PLUG-IN CONNECTORS</p> <p>Flexible spring steel with internal diameter of 10 mm Box for mortice fixing dimensions (mm): 260 x 24 x 16 Supplied with 2 cables 1Mt long and 4,5 mt on the other side - 8 poles plug-in connector . 8 wires 0,22mm diameter The 08601 door loop, mounted in the hinge of the door, is completely hidden when the door is in the closed position</p>	
 <p>08605</p>	<p>CONCEALED CABLE COVER</p> <p>Flexible spring in chromium plated steel with internal diameter of 11 mm. Front plate in black painted steel. Tube length (mm) 88 Use: concealed cable cover for direct passage of the wires between the door and the frame</p>	
 <p>08608</p>	<p>CABLE COVER ONLY FLEXIBLE</p> <p>Flexible spring in chromium plated steel with external diameter of 9,5mm and internal diameter mm 7. Length (mm) 214 Use: external cable cover for direct passage of the wires between the door and the frame</p>	
 <p>08610 08619 08620</p>	<p>CABLE COVER ONLY FLEXIBLE</p> <p>Flexible spring in chromium plated steel with external diameter mm 14 and internal diameter of 10 mm. <u>Length (mm) 250</u> <u>Length (mm) 420</u> <u>Length (mm) 600</u> Use: external cable cover for direct passage of the wires between the door and the frame</p>	
 <p>08630</p>	<p>CABLE COVER ONLY FLEXIBLE</p> <p>Flexible spring in chromium plated steel with fixing terminals in black plastic Terminal dimension (mm): 35 x 30 x 13. Internal diameter (mm) 8 Length (mm) 430 Use: external cable cover for direct passage of the wires between the door and the frame</p>	
 <p>08640 08641</p>	<p>CABLE COVER ONLY FLEXIBLE</p> <p>Flexible spring in chromium plated steel with fixing terminals in aluminium alloy Terminal dimension (mm): 47 x 39 x 22. Internal diameter (mm) 8 <u>Length (mm) 500</u> <u>Length (mm) 710</u> Use: external cable cover for direct passage of the wires between the door and the frame</p>	
 <p>08650</p>	<p>TAPPET CONTACTS - ELECTRIC CONTACT</p> <p>Pair of pressure tappet contacts for electric lock (not electronic lock or solenoid bolt) Voltage: 12/24 Vac/dc - Max current: 5A Front plate in black plastic, dimensions mm 47 x 16 x 4</p>	





05110R
05110V
05110G

BOX FOR PUSH BUTTON ALARM ACTIVATION WITH MANUAL RESET

Container in ABS
Dimensions (mm): 99 x 95 x 43
C. / N.O. / N.C. internal switching contact
Manual rearming of the contact
IP rating: IP41
Transparent Plexiglas cover for protection of the box's activation push button

Red box (for connection in fire prevention systems)
Green box (for connection to emergency exits)
Yellow box

Use: pressing the plastic front plate activates switching of the electrical contact
Compliance: EN54-11 (05110R)



05210

TRANSFORMER FOR MAXIMA SERIES MOTORISED LOCKS

Dimensions (mm): 110 x 75 x 68
Primary operating voltage: 230 Vac - 50/60 Hz.
Secondary operating voltage: 10 Vac
Power: 65 V.A. - Isolation class: II
Carter in self-extinguishing plastic material
Terminal block with screw connectionse

Use: ower transformer to alternating current for electronic command unit
Art. 54250 (spare for Art. 54255) Maxima series



05211

TRANSFORMER FOR OMNIA SERIES ELECTRIC STRIKES

Dimensions (mm): 70 x 58 x 40
Primary operating voltage: 230 Vac - 50/60 Hz.
Secondary operating voltage: 12 Vac
Power: 10 V.A. - Isolation class: II
Carter in self-extinguishing plastic material
Terminal block with screw connections

Use: power transformer to alternating current for Omnia series electric strikes



05301C

WEEKLY PROGRAMMABLE TIMER WITH CALENDAR

230 Vac power
Output: switching relay with C./N.O./N.C contacts
Relay rating: 250 Vac / 16 A - 12 Vdc / 4 A
Internal lithium battery with charge reserve for 5 years without power
Preset date and time
Automatic switch for daylight savings time
Weekly and daily programming
Time programming by hour and minutes
Programming key and saving of memorised data

Use: weekly timer for automatic opening and relocking of electromechanical locks according to preset times. For use with electromagnets, electric strikes in continuous current and solenoid locks.



Art.

Description

05310

POWER SUPPLY WITH TIME DELAY

Grey ABS Box
 Dimensions: 129 (L) x 73 (W) x 50 (D) mm
 Input Power: 100-240 Vac, 50/60 Hz
 Output voltage 1: 1.5A/12 Vdc (Timer)
 (for both fail safe and fail secure electric locks)
 Output voltage 2: 1A/12 VDC
 Adjustable time: 0 ~ 45 seconds
 Weight: 0.22 kg
 N.O.input for push button

**SWITCHING POWER SUPPLY FOR BACKUP BATTERY**

Wall mount container in inspectable grey ABS
 Dimensions (mm): 300 x 225 x 130 (mm 395 x 310 x 130 for item 05326A)
 Regulated power supply with switching technology
 Input in alternating current: 230 Vac
 Output for battery charging with control circuit for charge voltage
 Overload protection Short circuit protection



05312A

05312XL

05325A

05326A

Output:

12 Vdc (13,8 Vdc) / 3 A12 Vdc (13,8 Vdc) / 26,5 A24 Vdc (27,6 Vdc) / 3 A24 Vdc (27,6 Vdc) / 10 A**SWITCHING POWER SUPPLY**

Container in metal with ventilation holes
 Regulated power supply with switching technology
 Input in alternating current: 230 Vac
 Output for battery charging with control circuit for charge voltage
 Overload and short circuit protection



05320A

05320XL

05330XSA

05331A

05332A

Output:

12 Vdc (13.8 Vdc) / 3.0 A – dimension (mm) 130 x 99 x 3812 Vdc (13.8 Vdc) / 26.5 A – dimension (mm) 215 x 115 x 30224 Vdc (27.6 Vdc) / 1 A – dimension (mm) 85 x 58 x 3824 Vdc (27.6 Vdc) / 3 A – dimension (mm) 159 x 99 x 3824 Vdc (27.6 Vdc) / 10 A – dimension (mm) 215 x 115 x 50**SWITCHING POWER SUPPLY**

Abs container for Din rail
 230 Vac – 24 Vdc / 1 A Power Supply
 Dimensions: 130 x 99 x 38
 230 Vac – 12 Vdc / 1,5 A Power Supply
 230 Vac – 24 Vdc / 630 mA Power Supply

05320BD

05330BD

**Use:** For Linea Hotel products**BATTERIES**

B12 Vdc rechargeable lead batteries

00112

00212

00712

Power: 1.2 Ah for Art. 52002 (mm 97 x 42 x 53)Power: 2.2 Ah (mm 177 x 60 x 35)Power: 7 Ah (mm 151 x 94 x 65))

Art.

Description

55414

FOUR CHANNEL RECEIVER

Container in grey or black ABS
 Container size: 200 x 75 x 40
 Circuit dimensions (mm): 58 x 58
 Operating voltage: 12/24 Vac/Vdc
 Current: 50 mA max with relays active
 Frequency 433.92 MHz
 Programmable codes: 199 different codes with standard 12-64 bit or Rolling Code
 Output: via C./N.A relay contacts in pulse, bistable or timed bistable mode
 1 C./N.O./N.C switching relay with 5A rating
 171 C./N.O contact relays with 1A rating
 Range: 50/80 metres with wire antenna supplied in the package
 Features: four channel self learning receiver for management of four separate opening commands (example: separate opening of the two doors in any interlocking system and two single doors)

55416

TWO CHANNEL RECEIVER

Container in grey or black ABS
 Container size: 200 x 75 x 40
 Circuit dimensions (mm): 58 x 58
 Operating voltage: 12/24 Vac/Vdc
 Current: 50 mA max with relays active
 Frequency 433.92 MHz
 Programmable codes: 199 different codes with standard 12-64 bit or Rolling Code
 Output: via C./N.A relay contacts in pulse, bistable or timed bistable mode
 1 C./N.O./N.C switching relay with 1A rating
 1 C./N.O contact relays with 1A rating
 Rating: 50/80 metres with wire antenna supplied in the package
 Features: two channel self learning receiver for two separate opening commands (example: separate opening of the two doors in any interlocking system)

55417

SINGLE CHANNEL MINI RECEIVER

Container in black ABS
 Container size: 70 x 46 x 21
 Circuit dimensions (mm): 47 x 26
 Operating voltage: 12/24 Vac/Vdc
 Current: 50 mA max with relay active
 Frequency 433.92 MHz
 Programmable codes: 23 different codes or Rolling Code
 Output: via C./N.A relay contacts in stable or bistable mode
 Rating: 50/80 metres with wire antenna supplied in the package
 Features: single channel self learning receiver for opening command of a door

55418

SINGLE CHANNEL MINI RECEIVER

Container in black ABS
 Container size: 77 x 37 x 21
 Circuit dimensions (mm): 47 x 26
 Operating voltage: 12/24 Vac/Vdc
 Current: 50 mA max with relay active
 Frequency 433.92 MHz
 Programmable codes: 23 different fixed codes or Rolling Code
 Output: via C./N.A relay contacts in stable or bistable mode
 Rating: 50/80 metres with wire antenna supplied in the package
 Features: single channel receiver for opening command of a door

Use: allows remote control in an extremely simple way of any electromechanical lock without the aid of an ulterior supplementary power supply. For this reason it can also be applied to any already installed electromechanical lock.

Art.

Description



55420
55420RC

TWO CHANNEL REMOTE CONTROL

Body in silver and black polycarbonate
 Dimensions (mm): 53 x 26 x 14
 Red indicator LED for pressing of the buttons
 Operating voltage: 6 V alkaline battery type 11A
 Frequency 433.92 MHz
 Programming: self learning and auto generating of the codes

Standard encoding up to 96 bit
Rolling Code Encoding

Features: remote control with two separate channels, ideal to operate individually on the opening commands of two different doors

Use: for use with all 554 series receivers



55421
55421RC

FOUR CHANNEL REMOTE CONTROL

Body in polycarbonate
 Dimensions (mm): 63 x 36 x 14
 Red indicator LED for pressing of the buttons
 Operating voltage: 6 V alkaline battery type 11A
 Frequency 433.92 MHz
 Programming: self learning and auto generating of the codes

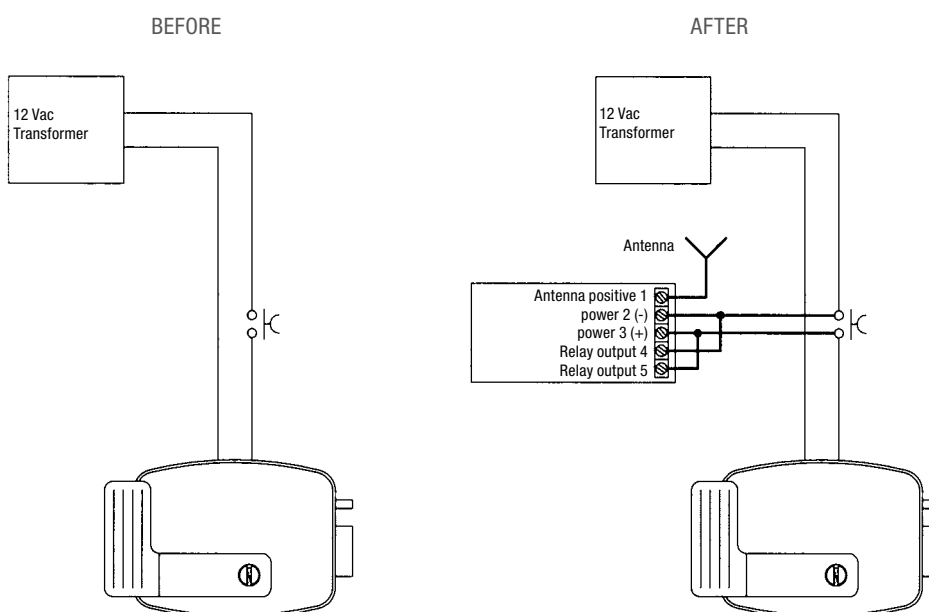
Standard encryption up to 96 bit
Rolling Code Encoding

Features: remote control with four separate channels, ideal to operate individually on the opening commands of four different doors

Use: for use with all 554 series receivers

REMOTE CONTROL - APPLICATION EXAMPLE

Single channel mini receiver 55418 for electric locks



LINEA HOTEL

- ▶ CUSTOMIZED FINISH WITH INTRODUCTION ON ALL ELECTRIC SOCKETS
- ▶ STAND-ALONE SYSTEM FOR EACH ROOM
- ▶ CHIP CARD OR TRANSPONDER READING
- ▶ CONNECTION TO THE CONTROL UNIT THROUGH RS-485 NETWORK
- ▶ PC SOFTWARE FOR CUSTOMERS CARDS AND SERVICES MANAGEMENT
- ▶ TO BE MATCHED WITH 12 VDC/250 MA ELECTRIC STRIKES





LINEA HOTEL

www.opera-italy.com



PLUS

- ▶ Stand alone system for hotel rooms
- ▶ Reading on MIFARE cards
- ▶ Usable with electric strikes or electric locks
- ▶ Software for managing card from PC



SYSTEM ARCHITECTURE

INTERIOR

Card reader
CURRENT ACTIVATION



EXTERIOR



Art.	Description
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CENTRAL UNIT AND CARD READER

Central unit with card reader RFID. It can be used as door opener if used singularly or as reader/room current activator if used with reader item code 55514RF.

Dimensions: mm 120 x 120 x 44

Plexiglass front plate black glossy (on demand white glossy) with LED lighting RGB (7 colours available).

Power source and commands: 24 Vdc from power supply item code 05330.

3A relay output for users activation

Open collector auxiliary output for external relay 24 Vdc

Real Time Clock to manage cards validity

Connection to the transponder reader via a 5 connectors cable or a 3 connectors coaxial cable.

Inserted card LED signalling

Central Unit / RFID reader version

Central Unit / RFID reader for common zone opening version

Use: internal room reader for power supply activation via the identification of a transponder cardr



55510RF
55510RFZC

CARD READER FOR CURRENT ACTIVATION

Transponder reader to be connected to the central unit reader item code 55514RF

Rim version

Dimensions: mm.120 x 120 x 44

Plexiglass front plate black glossy (on demand white glossy) with LED lighting RGB (7 colours available).

Power source 24Vdc via 05330BD

Connection to the transponder reader via a 5 connectors cable or a 3 connectors coaxial cable.

LED signalling when card is inserted in the internal reader to activate room power supply.

Use: transponder reader for external room access via transponder card



55510RFA

TRANSPONDER CARDS READER

Transponder reader to be connected to the central unit reader item code 55510RF

Rim version

Dimensions: mm.120 x 120 x 44

Plexiglass front plate black glossy (on demand white glossy) with LED lighting RGB (7 colours available).

Power source and commands via reader item code 55510RF

Connection to the transponder reader via a 5 connectors cable or a 3 connectors coaxial cable.

LED signalling when card is inserted in the internal reader to activate room power supply.

Use: transponder reader for external room access via transponder cardr



55514RF

Art.**Description****55510ZC****MODULAR STAND ALONE ELECTRONIC UNIT**

Container in black ABS for mounting on DIN rail
 Dimensions (mm): 90x70x58
 Power supply: 230Vac
 Real Time Clock to manage cards validity
 Power output 12Vdc/250Ma for electric lock
 Power output 24Vdc for cards reader

- Common area controller

Use: Electronic unit for management of the common area by means of card reader 55514

55512**CARD READER FOR CURRENT ACTIVATION**

Basic version
 Card insertion reader in black ABS
 Front surface in silver polycarbonate
 Reader for 3 position flush mount container (placard series for flush mount must be specified) - Supplied without front placard
 Dimensions (mm): 66 x 50 x 44
 Operating voltage and commands: 24 Vdc from electronics Art. 55510
 Connection with the control unit via 2 wires
 Internal 5 A double switching relay
 Red flashing LED for reader indication, fixed access LED for indication of inserted card
 Function selectable for operation via dimensional recognition (on request chip card recognition)

Use: reader inside room for activation of electricity via insertion of any card

55514**TRANSPONDER CARD READER**

Reader in black ABS. Front surface in silver polycarbonate
 Reader for 3 position flush mount container (placard series for flush mount must be specified) - Supplied without front placard
 Dimensions (mm): 66 x 50 x 44
 Operating voltage and commands: 24 Vdc from electronics Art. 55510ZC
 Connection with the control unit: RS-485. 24 Vdc output for connection of external relay for activation of courtesy light or door opening. Call push button Red LED for occupied indication, Red LED for do not disturb indication, Yellow LED for alarm indication, Green LED for door open indication
 Max badges:
 - user cards
 - service card differentiated by user number

Use: external room reader for door opening



Art.	Description
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55516
55516SLA
55516SLB

TRANSPONDER CARD

RFID mayfair technology user card which can be encoded with a special programmer
For use with card reader Art. 55514 - 55510RF - 55510RFZC - 55514RF
Dimensions (mm): 86 x 54 x 0.8
Neutral
Four-colour customer silk screen on one side
Four-colour customer silk screen on two sides



55519

TRANSPONDER CARD PROGRAMMER FOR CONNECTION TO PC

Table top writer in black ABS
Container size (mm): 113 x 92 x 20
Maximum remote distance from the reader: up to 1.5 mt.
Connection: via USB port
Operating voltage: via PC
LED for indication of operating status
Complete with installation software



05330BD

SWITCHING POWER SUPPLY

Abs container for Din rail
230 Vac – 24 Vdc / 1 A Power Supply
Dimensions: 130 x 99 x 38

Art.

Description

55520

PC MANAGEMENT SOFTWARE

The Hotel software program allows automated management of the services present in the rooms of a hotel structure. In fact, with its simple, intuitive user interface, it allows monitoring of the situation in each room and/or lodging and alerting of the operator who has a central PC located in a remote position from the monitored areas.

It also allows activation and deactivation of access to determined areas in the structure through the use of Chip cards or Transponder cards.

The Hotel software specifically offers optimisation of costs and energy consumption, providing the management with significant savings.

Features:

- Customer card programming
- Service card programming
- Check out cancellation card programming
- Insertion / modification of access parameters
- Card verification
- Available room list
- Occupied room list
- Rooms in Check-Out phase list
- Services list with relative access parameters

Viewing of the room situation to know:

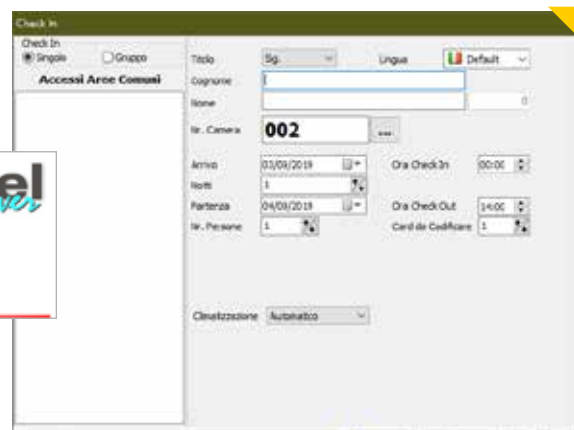
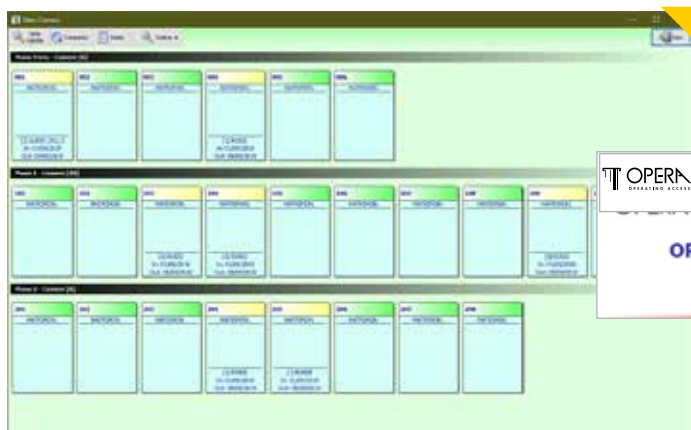
- which and how many of the rooms are free
- which and how many of the rooms are reserved
- the check-in and check-out date
- the customer's name

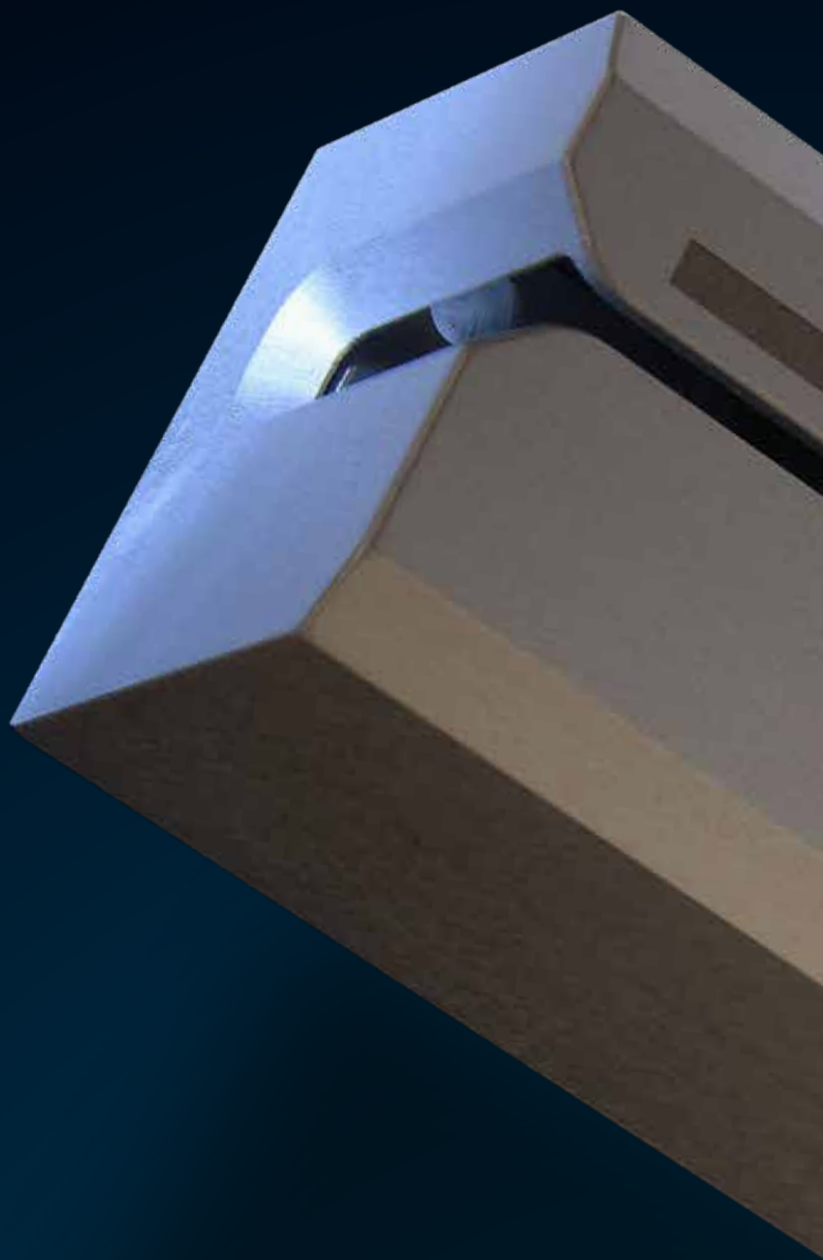
Toolbar with

- Table window recall button
- Check-In window recall button
- Check-Out window recall button
- Card Verifications window recall button
- Common Areas window recall button
- Program exit button

Window to view all of the Common Areas set up in the system, ordered by name. In each figure showing the Area all associated accesses are listed, indicating whether they are accesses reserved for personnel or if they are accesses enabled for the customers also.

Use: PC software for management and programming of transponder or chip cards

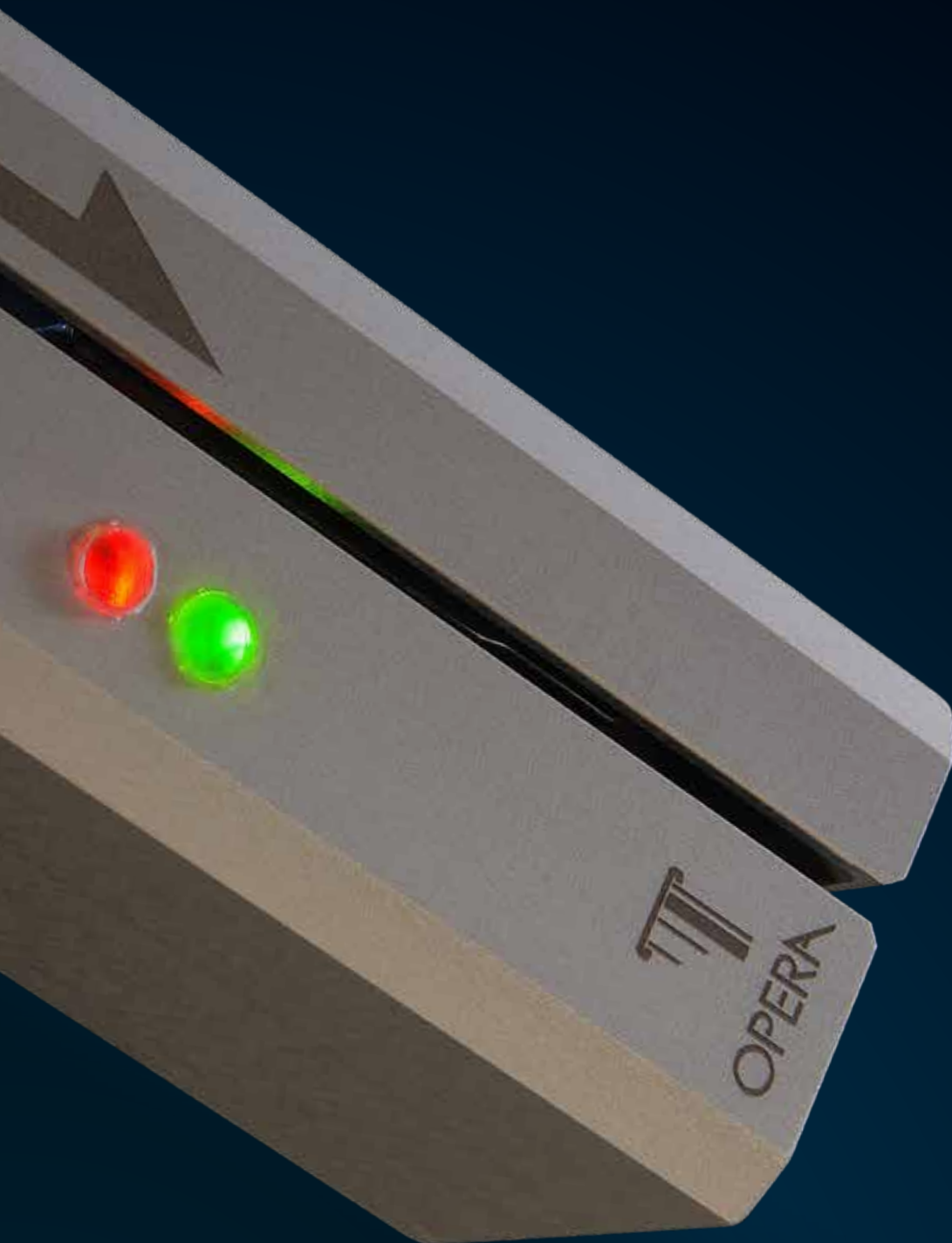




IACCESS

- ▶ ACCESS CONTROL SYSTEM
- ▶ CODE KEY PAD, MAGNETIC CARDS READER AND RFID
- ▶ PEOPLE COUNTER SYSTEM FOR LIBRARIES, MUSEUMS, SHOPPING CENTERS
- ▶ STAND-ALONE VERSION FOR INDIVIDUAL APPLICATIONS
- ▶ ON LINE VERSION WITH PC MANAGEMENT FOR MULTI DOORS SYSTEMS







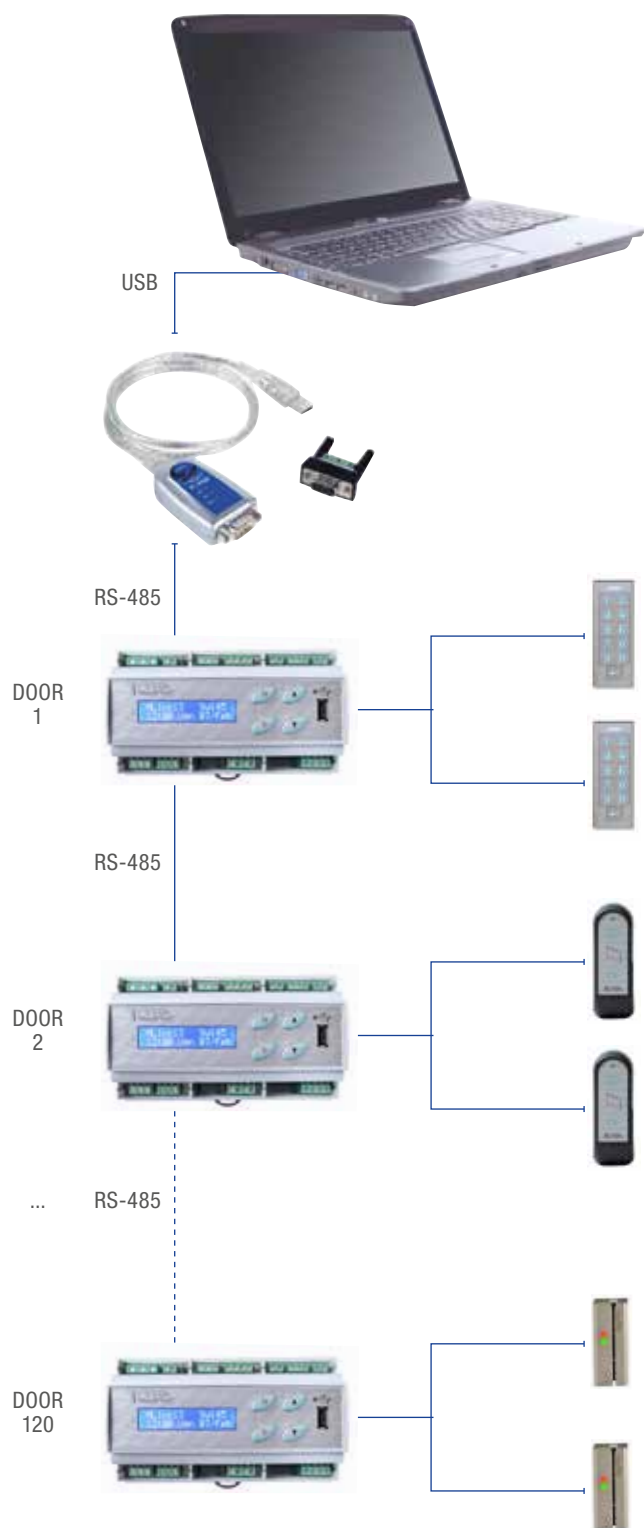
PLUS

- Independent or connectable to a PC control unit
- Users configuration from the control unit or the PC
- Usb port for direct events download on Usb key
- 2 remote reading devices operating on the same door (readers/key pads)
- Fixing on DIN bar switchboard

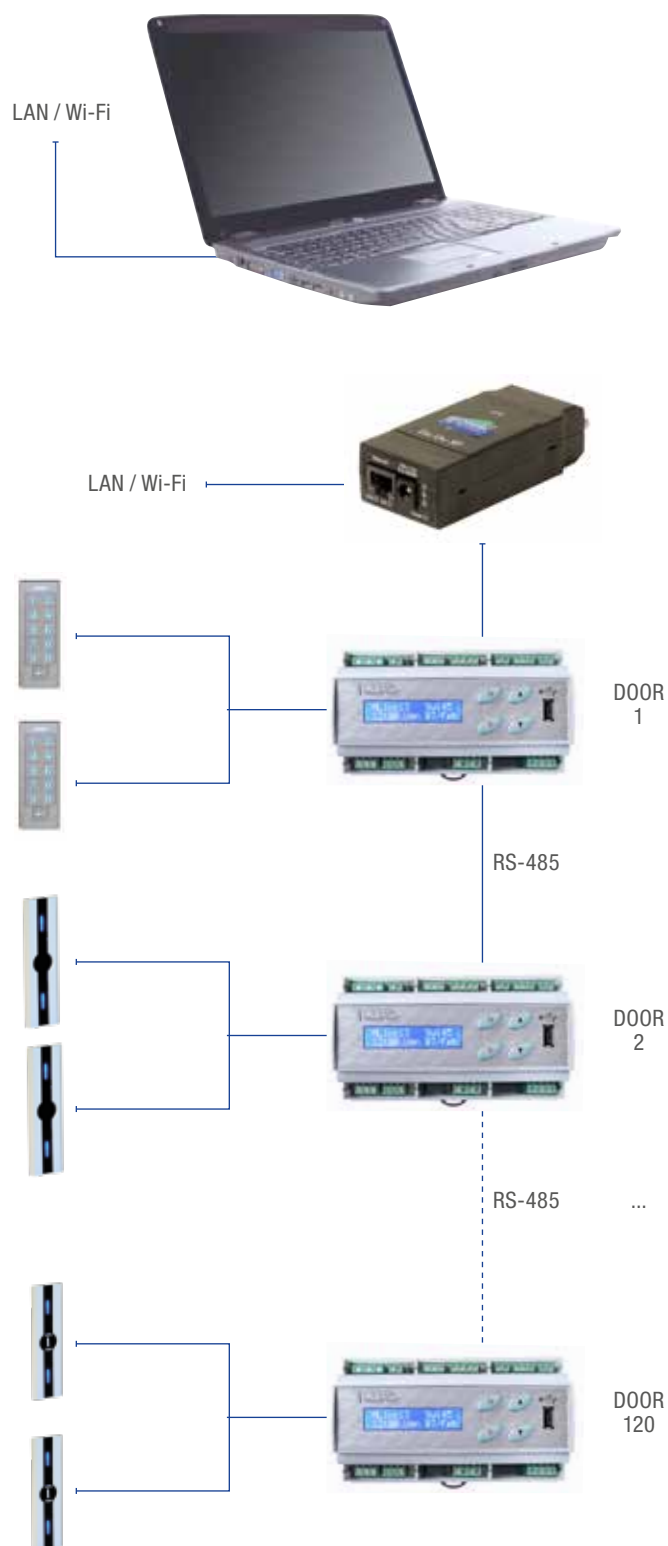


TYPICAL APPLICATION WITH PC OPERATING SYSTEM

SERIAL CONFIGURATION RS-485



SERIAL CONFIGURATION RS-485 / LAN - WiFi



PLUS

- Connection on serial network
- Connection on serial network/ethernet
- Up to 120 manageable doors
- Up to 2000 manageable users for each door



Art.

Description

55611NET

MODULAR STANDALONE/NET MANAGEMENT ELECTRONICS**For one door**

Electronics that can be managed in stand alone mode for a single independent door and in an RS-485 serial network for the connection of up to 120 doors controlled by PC through special application software, Art. 55623.

Connection to 2 peripheral reading devices (input/output) including magnetic card readers, transponder readers or code keypads. Gray ABS housing, 160 x 95 x 65 mm for attachment to DIN bar. Remote distance from the peripheral reading devices: up to 10 m with flat cable and up to 500 m with connection of the peripheral devices (readers and keypads) through dedicated RS-485 serial line (cable 4). Main power supply: 230 Vac

Internal power supply with battery charger, plug, 12 V/1.2 A external Art. 00112

Power supply output 12 Vdc – 0.5 A max for electric locks

Electric lock command: C./N.O./N.C. relay, time can be set from 1 to 99 seconds or bistable for operation of the electric lock

N.O. input, opening from button.

N.O. input for door sensor.

N.O. input for lock status.

N.O. input for enabled codes block.

Alarm relay that can be activated through door sensor by forced opening (can be deactivated by the software from the menu). Saving of users on solid-state memory on Eeprom (minimum retention 10 years)

Important: the data present in the memory can be copied and transferred to any system extensions if installed in stand alone mode. Real Time Clock (RTC) circuit for date and time management. LCD 16 x 2 display, with blue backlight for the programming and display of the system's operational states. 4-key membrane polycarbonate keyboard for programming with the following functions: Up – Down – Program – Enter. Network port: Net485 for connection and management by PC. USB port for downloading the data on the events and user list present in the memory on a USB drive. 171 Ability to save pre-existing magnetic cards coded in the second track such as, for example, credit cards, tax code cards or cards belonging to other access control systems on standard ISO 2 (if connected to a card reader Art. 55613 or 55613AL to be ordered separately). Max reading of the first 10 characters.

171 Ability to save PIN codes in ISO 2 emulation (if connected to the code keyboard Art. 55612 or 55612SS to be ordered separately).

Functions:

- Management of 2000 users with different cards or codes
- Access to all functions by local keyboard
- Programming of user codes through master code
- Setting of Net485 network parameters
- Entering of address number for connection to PC
- Programming of cards / transponders / codes
- Variable length access codes with a maximum of 10 digits
- Programming for 3 distinct time slots for each user. Selection of user access
- Prohibition by day of the week
- Programming of debit cards
- Entering of users with expiration date
- Deletion of user with possession of a title
- Deletion of the entire user list
- Date and time setting
- Lock opening time selection
- Anti pass-back selection with the use of 2 reading peripheral devices
- Alarm setting selection after 3 attempts or for forced door
- Reader block setting selection – Display of user list
- Direct download of the last 500 events and user list on a USB key



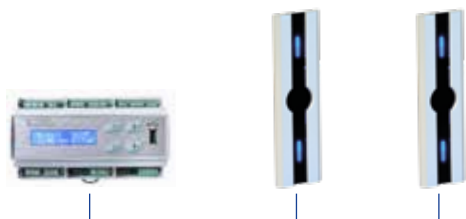
CONFIGURATION 1 DOOR WITH KEYPAD



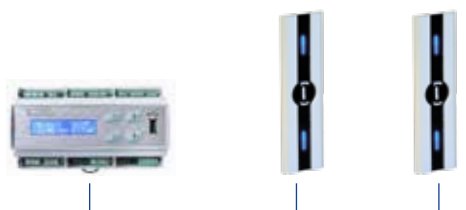
CONFIGURATION 1 DOOR WITH READER



CONFIGURATION 1 DOOR WITH TRANSPONDER



CONFIGURATION 1 DOOR WITH TRANSPONDER



CONFIGURATION 1 DOOR WITH iBUTTON

556110MNI



ACCESSORIES ACCESS CONTROL SERIES ACCESS MULTILINK NET

Art.	Description	
	<p>55613NET ISO 2 MAGNETIC STRIP CARD READER</p> <p>ABS housing body Dimensions: 100 x 34 x 26 mm. Power supply and commands: from PC through USB port. Red and green two-color LED for the display of the operational states Use: magnetic strip card reader for the saving and reading of the cards by PC. Packaging: provided with USB connection cable.</p>	
	<p>55614NET USB TRANSPONDER READER</p> <p>ABS housing body. Dimensions: 115 x 75 x 25 mm. Power supply and commands: from PC through USB port Red and yellow LED for the display of the operational states. Operating frequency: 125 kHz (integrated antenna). Use: RFID tag and card reader for the saving and reading of the cards by PC. Packaging: provided with USB connection cable</p>	
	<p>55616NET USB – RS-485 CONVERTER</p> <p>ABS body. Dimensions: 60 x 38 x 20 mm. Power supply: 5 Vdc / 60 mA from PC through USB port LEDs for the display of the operational states. USB 2.0 compatibility. Provided with adapter from DB9 connector to screw connector for connection to the RS-485 network. Use: USB – RS-485 serial port connector necessary for connection of the serial line to the PC, which only has USB ports Packaging: provided with USB connection cable, 80 cm long.</p>	
	<p>55618NET TTL – RS-485 CONVERTER</p> <p>The serial port converter allows the connection of the different readers to the MultilinkNet electronic by means of a 4 poles cable for a max. length 500Mt</p>	
	<p>05913 SERIAL RS232 – ETHERNET CONVERTER</p> <p>Container in black ABS Dimensions (mm): 100 x 42 x 25 DB 9 pole connector for serial RS232 – 422 – 485 serial line selectable via dip switch 8 pole plug connector for connection to the network Operating voltage: 12 Vdc/1A from included power supply Use: The serial converter allows connection of devices (such as people counters) equipped with IP addresses via an Ethernet network. This way the people counter can be interrogated even from a remote PC via the local network or the internet.</p>	

Art.

Description

55622NET

SOFTWARE FOR NETWORK ACCESS CONTROL

System for access control with network management by PC for RFID transponder readers, code keypads or magnetic badge readers

Entering of an individual user badge

A reader to the side of the PC and interfaced with it allows the saving of the magnetic card or transponder in the memory of one of the Multilinks

Card entering (hereafter also understood as codes) with expiration date

Entering of cards in groups with recording of sequential codes

Entering of cards with 3 time slots

Entering of debit cards (in entrances and/or fixed amounts)

Association of personal data to the card

Disabling of a single card

Disabling of the cards in sequential groups

Management of the card operation parameters (dates, time slots, enabled doors)

Recognition of where the person is through the last badge readings with indication of the date, time, and door number

Regulation of the lock relay opening time from 1 to 99 seconds

"Manual" remote door opening (open/closed)

Activation of the door relay in scheduled mode

Total or individual reader block

Emergency unlock (activation of all of the opening relays)

Management of the date and time

Anti pass-back management

Verification operations from PC:

Download movements by the name of the user associated with the accesses made

Download movements by date (from day --- to day ---) of all of the enabled people

Download movements by accesses (from door 1, 2, etc.)

Download movements by hour/time slot

Download movements by associated parameters (e.g. name – date – time – accesses)

Check of incorrect codes read or attempts outside of the associated parameters

Check of the card coupled to the code and vice versa in the case in which a code keypad is associated to the card reader

Check and reporting of out-of-service readers

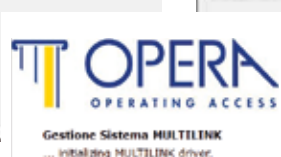
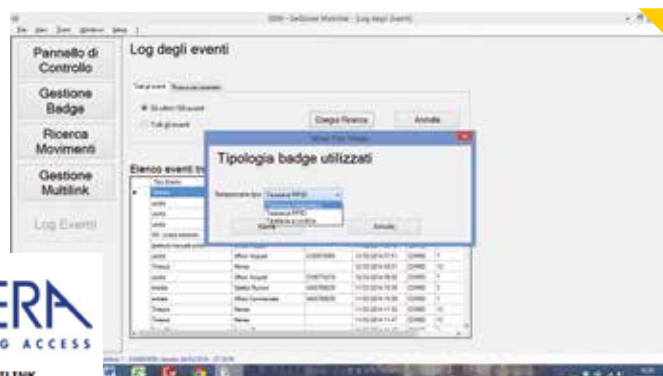
Remote network operation and query

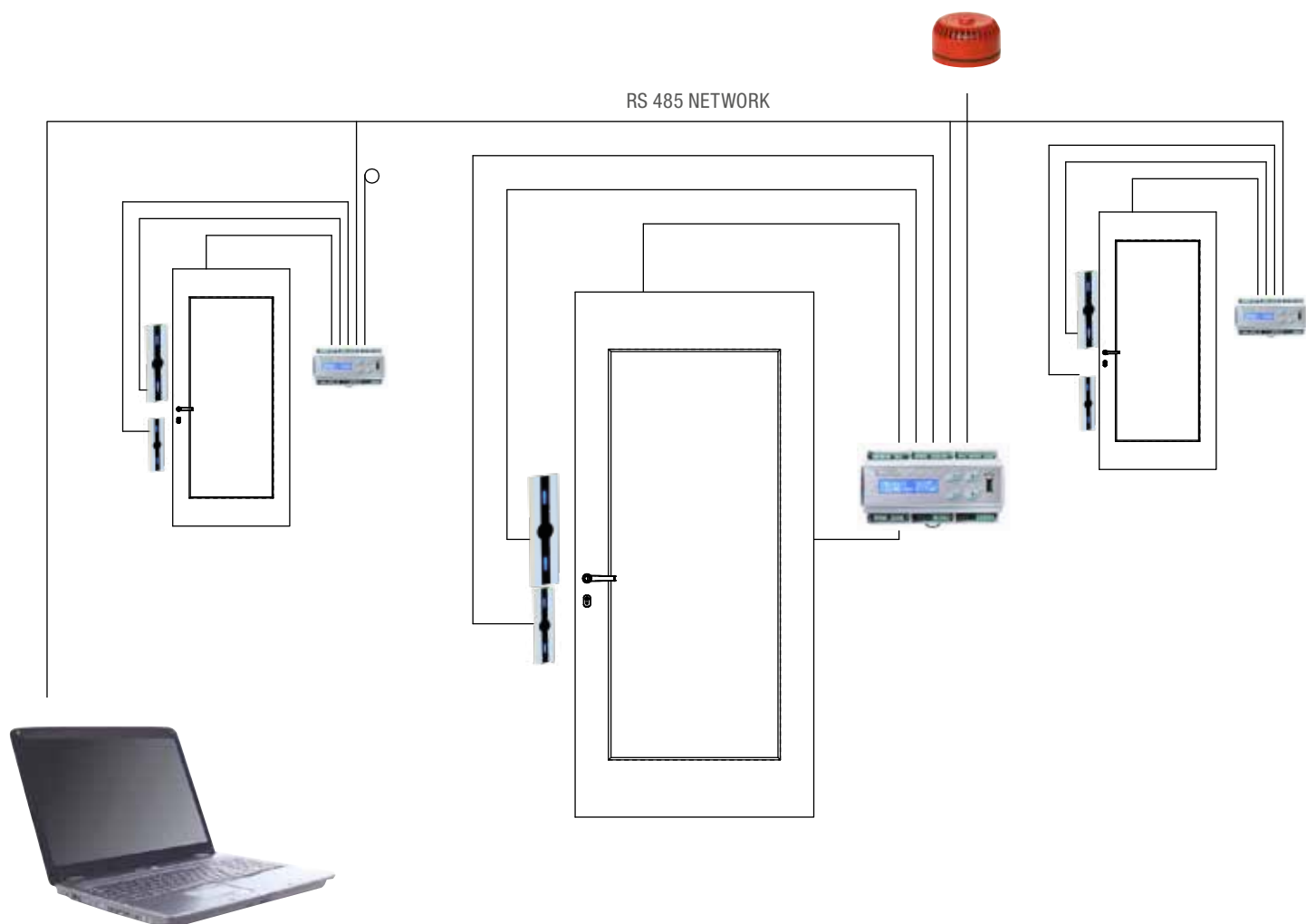
Status of the active alarms

Management of the event history

Immediate events

Operation of the system according to the different access levels





Art.

Description

56611A

MODULAR STAND-ALONE MANAGEMENT ELECTRONICS

Electronic circuit in white ABS container
 Container dimensions (mm) : 160 x 100 x 43
 Operating voltage : 12 – 24 Vac/Vdc
 Absorbed current : 100 mA in stand-by / 600 mA at 12V and 300 mA at 24V with relay active
 LCD Display 3 digits in red colours
 4 push buttons for programming with UP-DOWN-FUNCTION/ESC-ENTER
 Input for door opening from inside
 Input for blocking command
 Input for door sensor
 Buzzer
 Relay with C./NO./NC (24Vdc /10A max) adjustable from 1 to 60 sec.
 Alarm contact for the function of :
 Door forced
 Prolonged door opening from 0 to 60 sec
 Anti-tamper
 Connection with terminal readers via Flat-cable 10 poles or RS485
 Up to 490 users
 Memorisation via card, transponder, iButton or activation code
 Deletion of single or entire user list

Function:

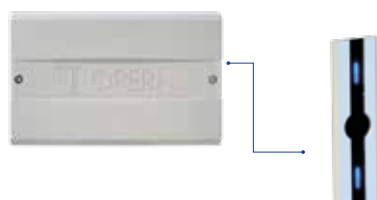
- Programming of new user codes through master code
- Programming of cards / transponders / codes
- Variable length access codes with a maximum of 10 digits
- Programming new users
- Deletion of single user
- Deletion of the entire user list
- Relay adjustment setting
- Display of total users list

Can be connected to 1 keypad series 55612 or 55612SS or 1 card reader 55613 or 55613AL or to 1 transponder reader 55614 - Input for indoor opening push buttons

Use: stand-alone system for access control. Allows memorisation of user codes or cards managed directly by the user via activation and cancellation cards. Easy installation and programming, can be utilised to activate an electromechanical lock or motorisation.



55612PD



55614PD



55614



55613



55612SS



55618PD

TERMINALS ACCESS MULTILINK NET AND MINILINK SERIES

Art.

Description



55612
55612CR

CODE KEYPAD

Container body in ABS, dimensions (mm): 129 x 46 x 30
Keypad with 10 numeric keys plus Enter button
Membrane front in polycarbonate, dome shaped keys with touch effect
Internal buzzer for key press indication
Operating Voltage: from electronics of Art. 55611NET and 56611A
Two coloured red/green LED for indication of operating status
Connection with the control unit: in TTL with ISO2 emulation
Tamper contact (active on Art. 55611NET)
Codes available comprised of 1 to 10 digits

Housing in dark grey ABS

Housing in ABS with matt chromium finish

Note: These items need to be connected with main electronics 55611NET or 56611A

Packaging: with 10 metres of flat connection cable between keypad and control unit



55612SS
55612SSC

ANTI-VANDAL CODE KEYPAD

Front of body in stainless steel (mm) 94 x 73 x 4,5
Backlit keypad with 10 numeric keys plus Enter button
IP protection rating IP 65 for external operation
Internal buzzer for key press indication
Operating Voltage: from electronics of Art. 55611NET and 56611A
Red and green LEDs for indication of operating status
Connection with the control unit via flat cable or RS485

Mortice version

Rim version with aluminium housing dimensions mm 104 x 80 x 30

Note: These items need to be connected with main electronics 55611NET or 56611A

Packaging: with 10 metres of flat connection cable between keypad and control unit



55612PD
55612PDN
55612PDC
55612PDCN

ANTI-VANDAL CODE KEYPAD

Front of body in stainless steel (mm) 110 x 40 x 14
Backlit keypad with 10 numeric keys plus Enter button
IP protection rating IP 65 for external operation
Internal buzzer for key press indication
Operating Voltage: from electronics of Art. 55611NET and 56611A
Red and green LEDs for indication of operating status
Connection with the control unit via flat cable or RS485

Flush mount keypad, silver colour

Flush mount keypad, black colour

Rim mount keypad, silver colour

Rim mount keypad, black colour

Note: These items need to be connected with main electronics 55611NET or 56611A



NEW



Art.

55613A

Description

MAGNETIC CARD READER

Swipe reader in black ABS
 Base in silver anodized aluminium (black on request)
 Dimensions (mm): 140 x 40 x 34
 Operating Voltage: from electronics of Art. 55611NET and 56611A
 Red and green LEDs for indication of operating status
 Connection with the control unit: [RS-485](#)

Note: [These items need to be connected with main electronics 55611NET or 56611A](#)

NEW



55613AAL

ANTI-VANDAL MAGNETIC CARD READER

Swipe reader in ABS in silver anodized aluminium.
 Dimensions (mm): 68 x 29 x 30
 Operating Voltage: from electronics of Art. 55611NET and 56611A
 Red and green LEDs for indication of operating status
 Connection with the control unit: [RS-485](#)

Note: [These items need to be connected with main electronics 55611NET or 56611A](#)

55614

TRANSPONDER CARD READER

Container body in dark grey ABS with front in polycarbonate
 Dimensions (mm): 129 x 46 x 30
 Operating Voltage: from electronics of 55611NET and 56611A
 Transponder reader distance: 30 mm. (55616T and 55616W) - 100 mm. (55616)
 Two coloured red/green LED for indication of operating status
 Connection with the control unit: in TTL with ISO2 emulation
 The transponder is based on the TAG format card operativity

Note: [These items need to be connected with main electronics 55611NET or 56611A](#)

Packaging: with 10 metres of flat connection cable between reader and control unit

55614SC





TRANSPONDER CARD READER FOR CABINETS AND BOXES

Housing in blue Abs – dimensions 90x57x24mm
 Operating Voltage: from electronics of 55611NET and 56611
 Transponder reader distance: 30 mm. (55616T and 55616W) - 100 mm. (56616)
 Two coloured red/green LED for indication of operating status
 Operating technology in 125 KHz
Use: Trasponder reader for mounting behind panels, cabinets or doors.
 Detection can be done through timber, glass or plastic

Note: [These items need to be connected with main electronics 55611NET or 56611A](#)

Packaging: with 10 metres of flat connection cable between reader and control unit

TERMINALS AND ACCESSORIES FOR ACCESS CONTROL MINILINK AND MULTILINK NET

Art.	Description	
	<p>TRANSPONDER READER Front plate in anodised aluminium External dimension 140x40x6 mm Internal dimension 118x27x17 mm Operating Voltage: from electronics of 55611NET and 56611 Transponder reader distance: 30 mm. (55616T and 55616W) - 100 mm. (56616) Connection with the control unit: in TTL with ISO2 emulation or RS485 Three colours blue/red/green for indication of operating status</p>	
	<p>55614PD <u>Front plate in s.a.a finish</u> 55614PDN <u>Front plate in black anodised aluminium</u></p> <p>Note: These items need to be connected with main electronics 55611NET or 56611A</p>	
	<p>DALLAS IBUTTON READER Front plate in anodised aluminium External dimension 140x40x6 mm Internal dimension 118x27x17 mm Operating Voltage: from electronics of 55611NET and 56611A Connection with the control unit: in TTL with ISO2 emulation or RS485 Three colours blue/red/green for indication of operating status</p>	
	<p>55618PD <u>Front plate in s.a.a finish</u> 55618PDN <u>Front plate in black anodised aluminium</u></p> <p>Note: These items need to be connected with main electronics 55611NET or 56611A</p>	
	<p>BOX FOR SURFACE FIXING Box in anodized aluminium for 55614PD and 55618PD External dimensions (mm): 140 x 40 x 20</p>	
	<p>05502PD <u>Silver anodized</u> 05502PDN <u>Black anodized</u></p>	
	<p>PROTECTION COVER Box in Plexiglass for reader 55614PD and 55618PD External dimensions (mm): 153 x 47x 222</p>	
	<p>05502T</p>	

NEW



Art.

Description

DALLAS IBUTTON READER - EXTENSION

Touch Key Reader body in stainless steel

Front plate dimensions (mm): 105 x 40 x 5

Two colours red/green LED for indication of operating status

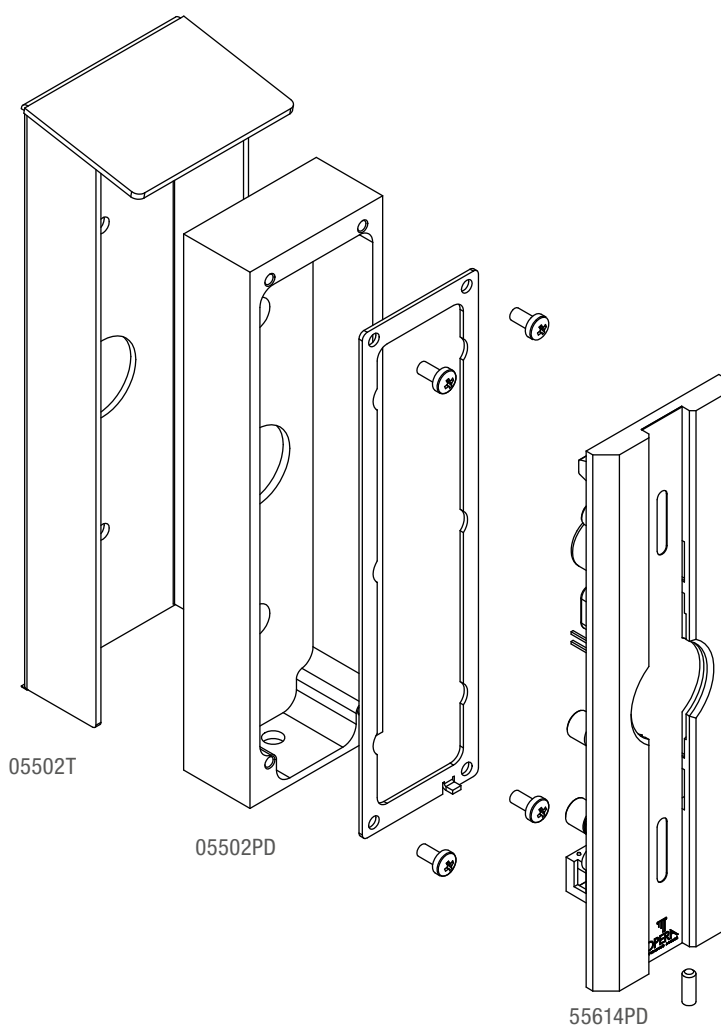
Operating Voltage: from electronics of 55611NET and 56611

Connection with the control unit: in TTL with ISO2 emulation or RS485 (if combined with 55611NET)







58018ML**58018MLN**

Front plate in silver anodized aluminium

Front plate in black anodized aluminium

Note: These items need to be connected with main electronics 55611NET or 56611A

TERMINALS AND ACCESSORIES FOR ACCESS CONTROL MINILINK AND MULTILINK NET

Art.	Description	
 55615 55615SLA 55615SLB	MAGNETIC STRIP CARD Card for use with encoded user in 2nd track ISO2 standard For use with card reader 55613 and 55613AL 300 OE magnetic strip Dimensions (mm): 86 x 54 x 0.8 <u>OPERA silk screen in four colours</u> <u>Custom silk screen in four colour on main side</u> <u>Custom silk screen in four colour on both side</u>	
 56616 56616SLA 56616SLB 56616T 56616W  56616T  56616W	TRANSPONDER Transponder for encoded user use, based on operativity at 125 KHz For use with transponder 55614 - 55614PD - 55614SC <u>Card format in white colour, dimensions (mm): 86 x 54 x 0.8</u> <u>Custom silk screen in four colour on main side</u> <u>Custom silk screen in four colour on both side</u> <u>Key fob format in grey colour, dimensions (mm): 40 x 31 x 4</u> <u>Bracelet format in transparent plastic, dimensions (mm): 240 x 13</u>	
 58015 58015G 58015R 58015V 	DALLAS IBUTTON iButton body in chromium plated metal on black ABS support dimensions (mm): 16 (diameter) x 5 Dimensions of the ABS support (mm): 53 x 15 <u>Key fob in black plastic</u> <u>Key fob in yellow plastic</u> <u>Key fob in red plastic</u> <u>Key fob in green plastic</u> Use: operating key for access control Touch Key. Note: Each iButton key is unique and unrepeatable and there are no copies. If the key is lost it must be cancelled from the reader memory and replaced with a new one.	

ELECTRIC HANDLE

www.opera-italy.com

ELECTRONIC HANDLE SET FOR ACCESS CONTROL SYSTEM

Art.

Description

LEVER HANDLE ESCUTCHEON WITH RFID READER

The Opera narrow body version is specially designed to fit most Euro profile doors, even narrow profile framed doors. This version works with Euro mortice lock axle distance 85mm.

Square spindle 8mm

Suitable door thickness: 32 to 70 mm

Dimension of External Panel: L280MM*W40MM*H13MM

Material: Stainless Steel, Moisture Proof, Fire Retardant

Non reversible - handed

Operating Voltage: DC6V or 4 AAA Alkaline batteries

Power saving design and the batteries duration over 1 year

Power Consumption: Static Load < 20 microamp

Dynamic Load 100~150 mA

Working Environment: 20%~90%

Working Temperature: -50°~60°

Lost user card suspension simply by issuing a new user card with suspending function

Up to 100 users with different cards

Use: It replace the mechanical handle. It is enabled by the RFID card.

40814.1

Stainless steel finish – right hand – 125Khz ID chip

40814.2

Stainless steel finish – left hand – 125Khz ID chip

40814.1GD

Gold plated finish – right hand – 125Khz ID chip

40814.2GD

Gold plated finish – left hand – 125Khz ID chip

40814.1MF

Stainless steel finish – right hand – Mifare ID chip

40814.2MF

Stainless steel finish – left hand – Mifare ID chip

40814.1MFGD

Gold plated finish – right hand – Mifare ID chip

40814.2MFGD

Gold plated finish – left hand – Mifare ID chip

TRANSPONDER

Transponder, based on operativity at 125 KHz

Card format in white colour, dimensions (mm): 86 x 54 x 0.8

Custom silk screen in four colours on main side

Custom silk screen in four colours on both side

Key fob format in grey colour, dimensions (mm): 40 x 31 x 4

Bracelet format in plastic, dimensions (mm): 240 x 13

56616

56616SLA

56616SLB

56616T

56616W

Transponder, based on operativity Mifare

Card format in white colour

55516

55516SLA

55516SLB

Custom silk screen in four colours on main side

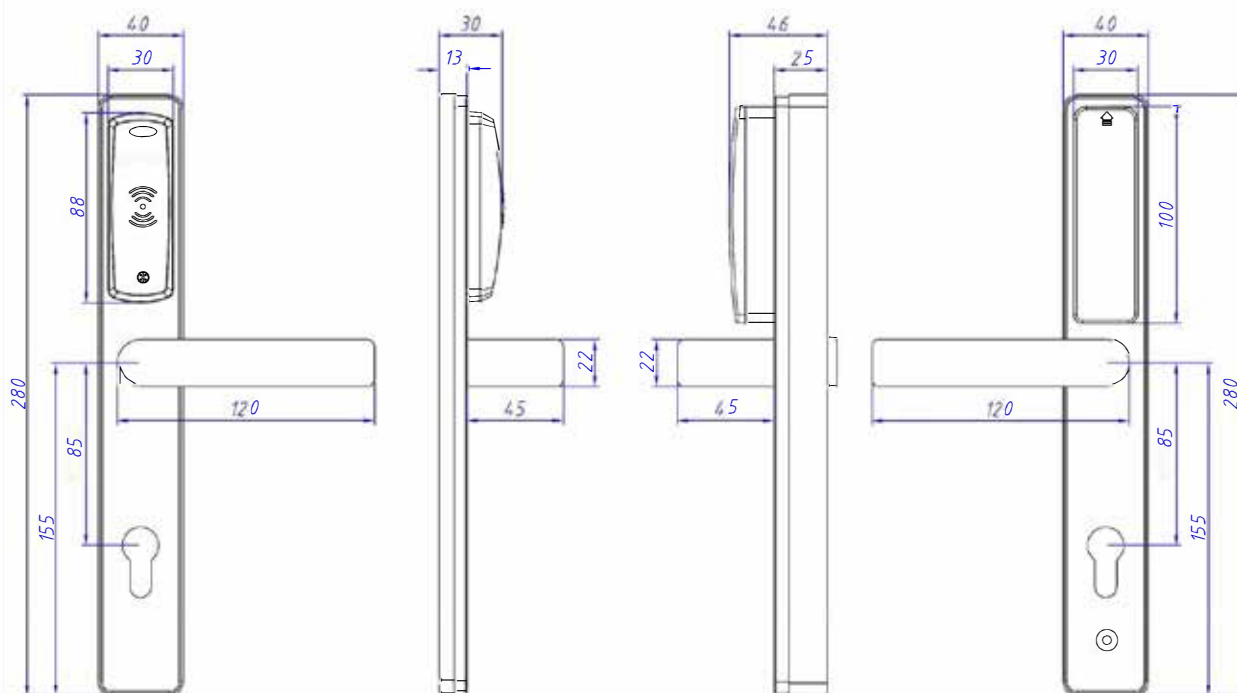
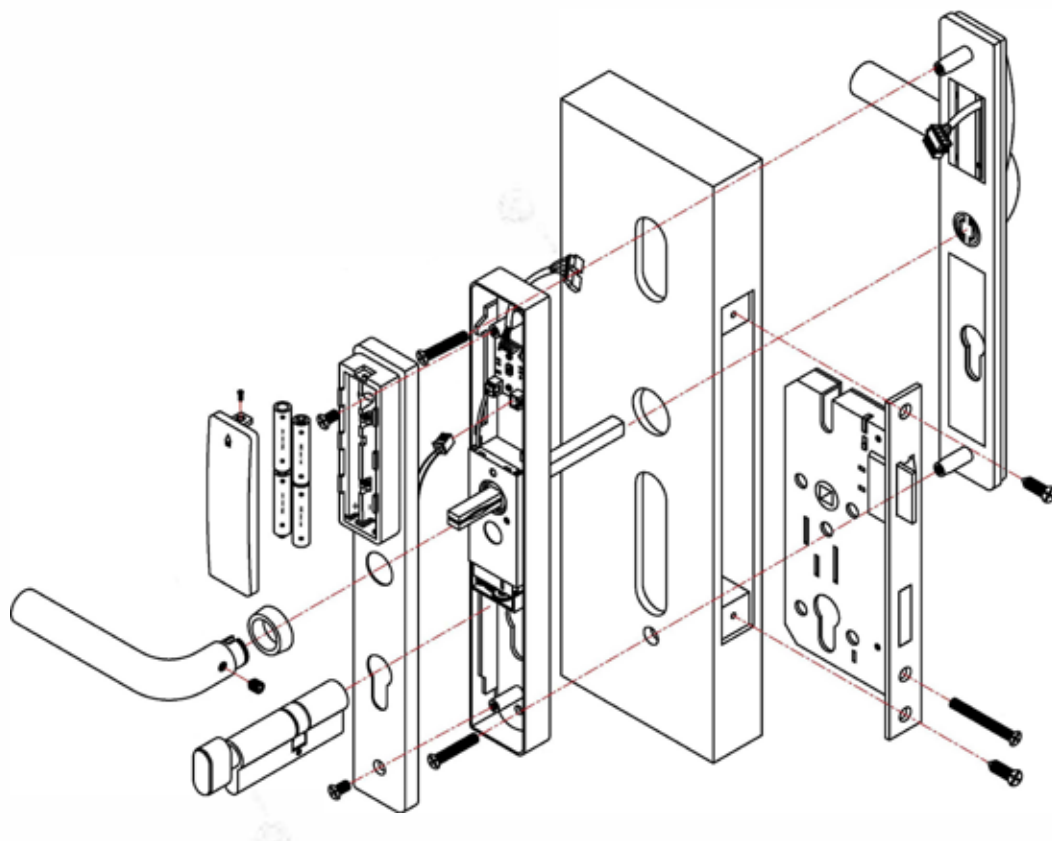
Custom silk screen in four colours on both side

GD Version
External side
Right hand



ELECTRIC HANDLE

ELECTRONIC HANDLE SET FOR ACCESS CONTROL SYSTEM



Art.

Description

57401

BLUETOOTH DOOR OPENER

Black Abs container, IP65 rated
 Dimensions: mm 114 x 70 x30
 Voltage 12 to 24 Vdc
 Power draw: 10Ma in stand-by, 70Ma on load
 Relay Output: 5A/250 VAC, 5A/30VDC
 Bluetooth Spec: low energy 4.0 standard
 Operating Distance 50 meters
 Proximity Distance 1-20 meters
 Temperature: -10° to + 40 °C

Status LED

- Green: Door always unlocked
- Blue: Power on, Standby mode
- Blue Flashing: Bluetooth connection signal
- Red: Door always locked

1 Master, 1000 Users,
 Mortise or surface mounted and anti-tailgated
 Built-in tamper switch and buzzer

User management

- 1. Add/delete/view user data
- 2. Grant user access for specific dates or time periods
- 3. Change user password
- 4. Activity History tracks 1,000 records
- 5. Bi-stable function to keep the door unlocked indefinitely

Use: Easy and secure method of remote opening gates and doors from your smartphone via bluetooth connection. Free App for Android and iOS
 300,00 226



Bluetooth



Smart Phone

=



Card



Bluetooth door opener ▶
Smartphone door or gate access
using a bluetooth reader

Output ▶
Bi-stable Output Relay

Programming ▶
Download "OPERA 57401" App
through Apple Store or Google Play

Users ▶
1 Master. 1000 Users.



Housing ▶
IP65 housing – weather proof

Activation ▶
Relay is activated by manual input
or hands free option

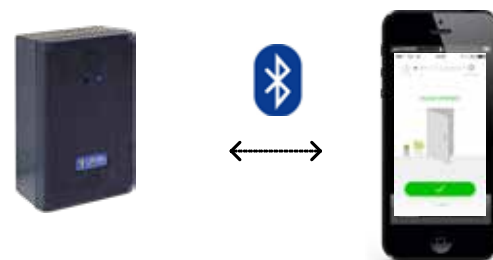
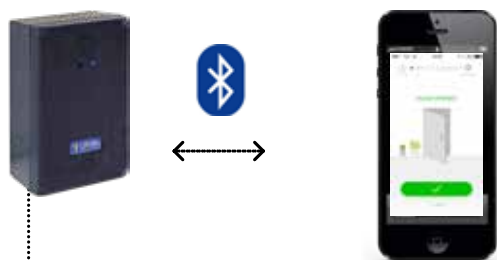
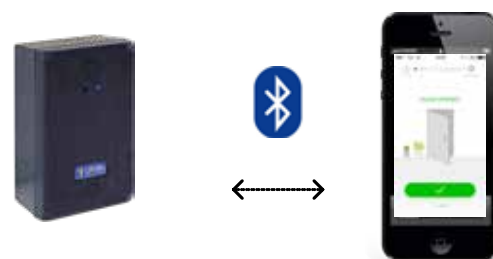
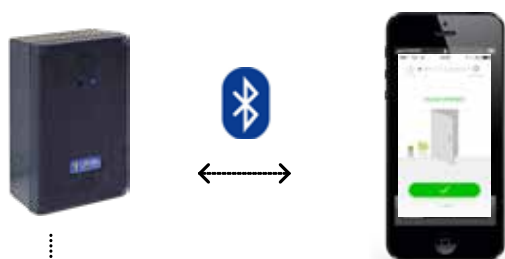
Working range ▶
Operating distance for hands free option:
up to 20 meters

RESIDENTIAL

Bluetech is an advanced system for opening a door or a gate. Easy and secure method of remote opening gates and doors from your smartphone via bluetooth connection.

Ideal for opening an electrically controlled door, gate or triggering an alarm system.

Any user can be registered with time zone and number of access. An event list is available directly on the App and it can be sent by email to a Pc.



PLUS

- ▶ Easy and secure
- ▶ Weather resistant, surface mounted, and anti-tailgate protected
- ▶ Time zone controller for any user
- ▶ Built in relay to open a door lock with a smartphone



Art.	Description
 Version 3,2"	DIGITAL DOOR VIEWER Size: - 115(W) * 64(H) * 16(D)mm - 122(W) * 66(H) * 16(D)mm Power source: 3AAA Batteries (good for approx. 5000 "peep") Sensor: --1.3 Mega Pixel CMOS --2,0 Mega Pixel CMOS LCD screen: -- 3.2" TFT 320x240 --4,0" TFT800x480) View angle: 160 degree Fits door: 42-95mm (1.65"-3.74") Fits barrel hole: 14-28mm
 Version 4,0" HD	Version 3,2" Silver colour Gold colour Version 4,0" Silver colour Gold colour
 00577	On demand: brass barrel for doors from 95 to 122mm



DIGITAL DOOR VIEWERS I-VISION SERIES

Door thickness

The door viewer can be installed on doors from 68 to 94mm thick.
No need to make extra holes on the door to replace existing viewer

Sensor resolution

Cam sensor technology CMOS
1,3 MegaPixel for item 57700
2,0 MegaPixel for item 57701

LCD Monitor

3,2" (resolution 320x240) for item 57700
4,0" (resolution 800x480) for item 57701

Power

3 batteries AAA
4000 screen activation capacity

View angle

160° angle view



Monitor



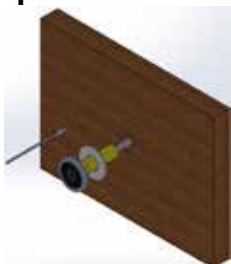
Viewer both side



Outside camera

EASY FITTING IN 3 STEPS

1



2



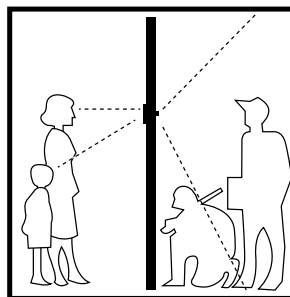
3



Lcd monitor 3,2"
Resolution 320x240
Dim. 115x64x16mm



Lcd monitor 4,0"
Resolution 800x480HD
Dim. 122x66x16mm



AVAILABLE COLOURS



Silver

Brass

i-Vision is a new digital door viewer range 16mm thick. This device displays an image of the person who visits your door, providing a safe way to identify visitors and potential bogus callers before opening your door. Very clear image on screen, easy operation - just press the button, automatic switch off after 10 seconds

PLUS

- ▶ Elegant and thin design
- ▶ Easy mounting with no tools
- ▶ Easy batteries replacement
- ▶ Low consumption, automatic switch off after 15 seconds

See the web page



NEW

Art.

Description

MAGNETIC CARD READER**Insertion version**

Manual insertion reader

Front in silver anodized aluminium with backlit LCD display indicating the operational status

Front plate dimensions (mm): 200 x 105 x 5

Internal dimensions (mm): 70 x 65 x 95 (max internal depth 100 mm.)

Operating voltage: from remote management control unit

Reading track: 2nd and 3rd ISO - ATM card, Visa Top Card, Prevident Card, Eurocard, Carta Si, Mastercard, Eurocheque, Bancamericard, Bancoposta, American Express.

Self-Service facilities management electronics

Management electronics for microprocessor Automatic Teller Self-Service facilities

Management electronics in metal inspectable box for wall mounting.

Dimensions (mm): 340 x 270 x 120

Operating voltage: 29 Vac from external transformer (included)

230 Vac / 29 Vac power supply transformer

Internal 12 Vdc / 1.8 A switching power supply with control circuit and backup battery charger

Ready for 12 Vdc / 6.5 Ah battery

Front panel with:

Mains LED

Low battery LED

Control unit and reader Reset button

3 position key switch for selection of System Active / Day / Out of Order

Operation times of door release, operation time and notification to the user, already programmed as standard

N.O. input for the restart time button

N.O. input for medical assistance sensor

N.O. input for ABI codes activation

Amplified output for connection of a loudspeaker

Internal management of voice messages

Management of alarm and medical assistance

Output contact for management of a telephone dialler

Lock opening contact: C./N.O./N.C relay (selectable) programmable 2 or 15 seconds

N.O. input for door sensor

Complete with management logic for security electric door strike series

346, 348.

55640A

55640B

55640C

Insertion versionSwipe versionPush button version**Use:** ATM card and credit card reader for opening of automatic teller facilities doors, complete with control unit for management of operation times and medical assistance alarms.**On demand:** Special software for management of a specific bank card

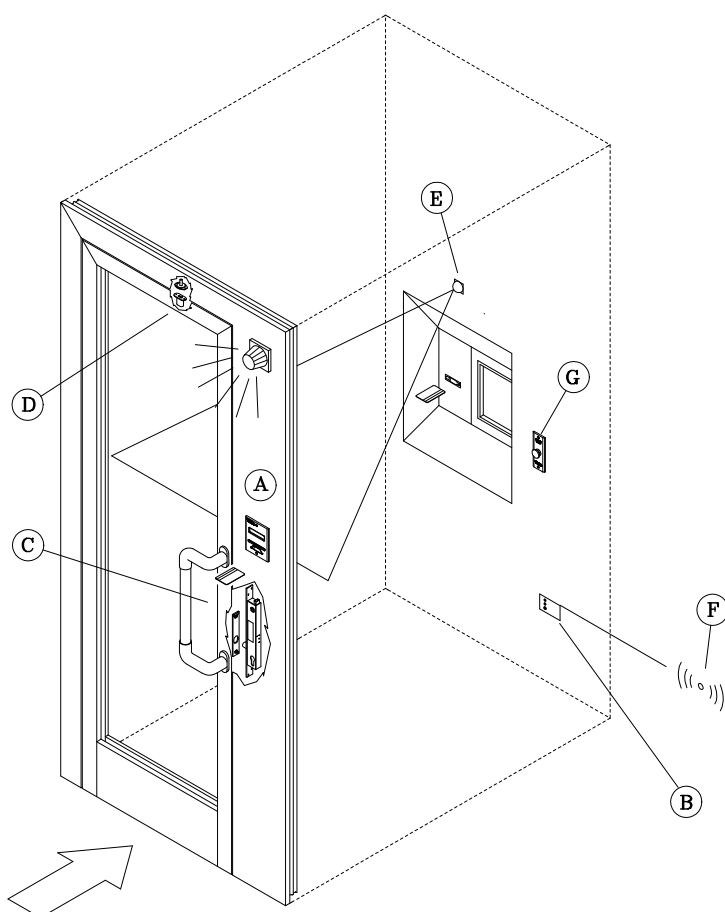
ACCESSORIES FOR AUTOMATIC BANK SELF-SERVICE AREAS ACCESS BANK SERIES



Art.	Description
05645	RESTART TIME BUTTON Red button with N.O contact Front plate in black anodised aluminium Dimensions (mm): 140 x 40 x 6 Red door open indicator LED On demand: rim mounting box item 05502



05648	LOUDSPEAKER Loudspeaker for surface fixing in white ABS box for connection to voice messages Dimensions (mm): 118 x 87 x 86 Power: 20 W / 4 ohm
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LEGENDA

- A Bank card reader
- B Local control unit
- C Solenoid lock
- D Magnetic sensor
- E Infrared sensor
- F Emergency dialer command
- G Restart time button



NEW



Art.

Description

MAGNETIC CARD READER

Swipe version

Swipe reader with Red and Green indicator LEDs for indication of operational status

Version in ABS dimensions (mm): 160 x 44 x 36 x 20 (internal depth

Remote management electronics connected to the reader in RS-485

Operating voltage: 12/24 Vac/dc.

Current absorption: 100 mA in stand-by / 600 mA in 12Vac/dc or 300 mA in 24Vac/dc

Lock opening contact: C./N.O./N.C relay (selectable) programmable 2 or 5 seconds

N.O. input for door sensor

N.O. contact for opening push button

Input for OUT OF ORDER function

Input for block command

Reading track: 2nd and 3rd ISO - ATM card, Visa, Eurocard, Mastercard, Eurocheque, American Express

55642A

55642AAL

Version with reader in black ABS - dimension mm140 x 40 x 35Version with aluminum reader - dimension mm85 x 35 x35**Use:** ATM card and credit card reader for door opening in automatic bank facilities..**On request:** Identification of a specific bank code for opening with a particular bank card

NEW

55644A

LETTORE DI TESSERE BANCOMAT E CARTE DI CREDITO

Insertion version

Manual insertion reader

Front in silver anodized aluminium Red and Green LEDs indicating the operational status

Front plate dimensions (mm): 100 x 80 x 5

Internal dimensions (mm): 70 x 65 x 95

Management electronics mounted on the reader

Operating voltage: 12 Vdc. Current absorption: 50-100 mA

Lock opening contact: C./N.O./N.C relay (selectable) programmable 2 or 5 seconds

N.O. contact for opening push button. N.O. input for door sensor

Complete with management logic for security electric door strike series 346, 348

Use: ATM card and credit card reader for door opening in automatic bank facilities.**On request:** identification of a specific ABI code for opening with a card from the specific bank

ACCESS CONTROL FOR AUTOMATIC BANK SELF-SERVICE AREAS ACCESS BANK SERIES

Art.

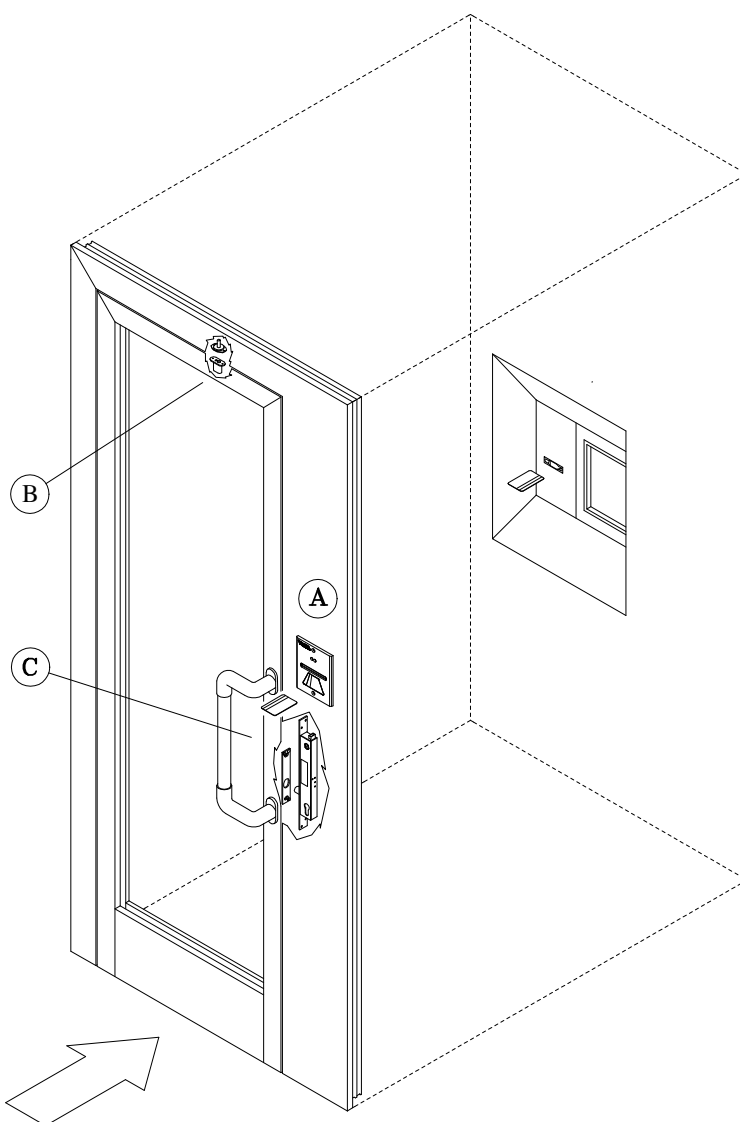
Description

05651

OVERHANG CARTER

Overhang carter in black painted steel for outdoor application for
55643- 55644

Dimensioni: mm 106 x 86 x 110

**LEGENDA**

- A** ATM reader
- B** Magnetic sensor
- C** Lock



Art.

Description

57301

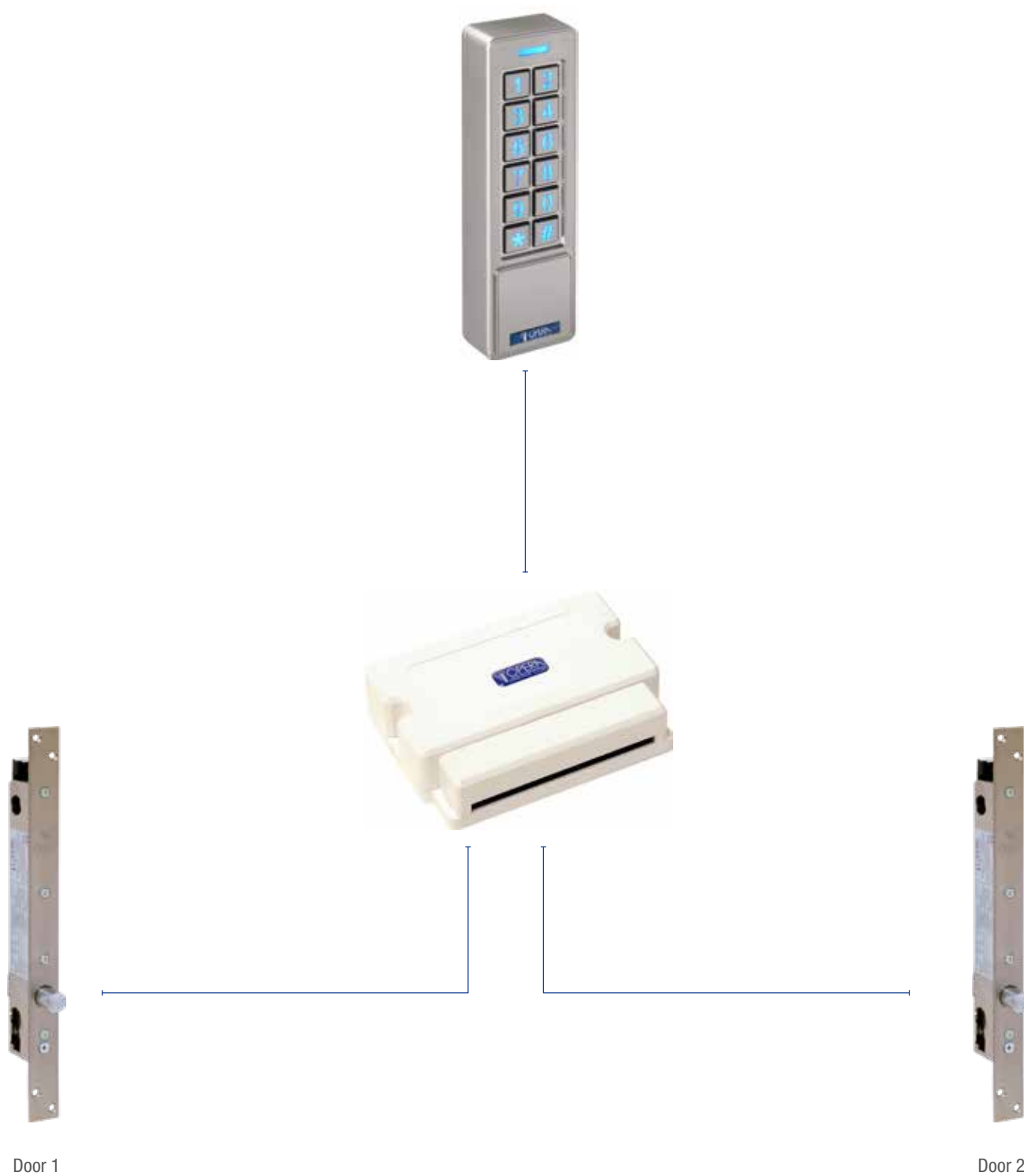
ANTI-VANDAL CODE KEYPAD

Container body in anodized aluminium
 Dimensions (mm): 151 x 44 x 23
 Keypad with backlit buttons
 Remote electronic in ABS - dimension mm111 x 72 x 29
 Operating voltage: 12/24 Vac/dc
 Absorbed current: 50 mA in stand-by / 95 mA with relay active
 Internal buzzer for key press indication

Housed-in electronics for:
 Management of the lock opening command (management of 2 doors with only one keypad)
 Tamper contact with alarm activation
 IP rating: IP65
 Built in electronic circuit inside the keypad
 Timed output contact from 1-99 seconds for control of lock opening
 Up to 1,000 codes can be memorised
 Up to 10 transponder cards at 125 KHz can be memorised
 Programming of access with only PIN, only transponder or PIN + transponder
 Memorisation of separate codes for door 1 or door 2
 Activation of tamper alarm

Code cancellation: single or total
 Keypad with 10 numeric keys plus Enter button
 Call push button can be activated
 Block of keypad operation after insertion of three incorrect codes with activation of the alarm and timed auto-reset contact
 Input for door sensor with N.C. contact (open with door closed)
 Relay 1 with C./N.O./N.C contacts for opening of electromechanical locks
 Relay 2 with C./N.O./N.C contacts selectable alternatively for:
 - alarm signalling (burglary, invalid codes)
 - door opening i







Art.

Description

KEYPAD – STAND ALONE

Container body in anodized aluminium
Flush version - Dimensions (mm): 110 x 40 x 15
Rim version – Dimensions (mm) : 110 x 45 x 3
Keypad with backlit buttons
Operating voltage: 12 Vac/dc – 24 Vac/dc
Absorbed current: 30 mA in stand-by / 60 mA with relay active
Internal buzzer for key press indication
IP rating: IP65

Housed-in electronics for:
Management of the lock opening command
Output relay N.O – N.C – (12/24Vac/dc – 1,5A max)
Timed output contact from 1-99 seconds for control of lock opening

Up to 500 codes can be memorised from 2 to 6 digits
Input N.O for door opening command
Code cancellation: single or total
Keypad with 10 numeric keys plus Enter button

Block of keypad operation after insertion of 5 incorrect codes with activation of auto-reset in 1 minute

57312
57312N
57313
57313N

Flush version – silver finish
Flush version – dark finish
Rim version – silver finish
Rim version – dark finish



application example



Art.	Description
------	-------------

WIRELESS KEYPAD & PROXIMITY READER

Container body in black ABS
 Keypad dimensions (mm): 135 x 54 x 19
 Radio push button dimensions (mm) : 83 x 40 x 16
 Controller dimension (mm): 65 x 54 x 19
 Power supply:
 Keypad: 3 units of AAA batteries
 Controller: 12Vdc
 Push button: 2023 Lithium battery
 Operating temperature: -20° +60°
 Frequency operation: 2,4 GHz – rolling code
 Code cancellation: single or total
 500 PIN / card users - 125KHz EM Card
 PIN length: 4~8 digits
 Communication distance : 15m Max
 Pulse mode, toggle mode
 Tri-colour LED status display
 Ultra-low power consumption (wireless keypad<10uA, Wireless Exit Button: <10uA)

Block of keypad operation after insertion of 10 incorrect codes with activation of auto-reset in 10 minutes

Easy to install – wireless keypad

Standard package is controller + keypad + wireless exit button

57320
57320B

Black colour
White colour



application example



Internal Push button



Wireless Keypad



Art.

Description

TOUCH KEY READER

Front plate in anodized aluminium
Front plate dimensions (mm): 105 x 40 x 5
Electronic circuit in white ABS container
Container dimensions (mm): 111 x 72 x 29
Operating voltage: 9 Vac / 12 Vdc
Absorbed current: 10 mA in stand-by / 40 mA with relay active
Operating key Dallas (sold separately Art. 58015)
Supply of 2 Dallas Master system keys:
1 "Green" programming key
1 "Red" cancellation key
Relay for door opening contact selectable in monostable or bistable mode
Programmable users: 500
Two colours red/green LED for indication of operating status
Anodized silver front plate
Anodized black front plate

Use: the stand-alone system for access control Touch Key is based on the operativity of the Dallas key which, being unique and unrepeatable, provides the highest standards of security.

Easy to install and program, it can be used for electromechanical lock release, motorisation or, selecting the bistable relay, to arm or disarm an alarm system.

Also ideal for use in applications where the reader must be exposed to weather conditions

TOUCH KEY READER SUPPLEMENTARY READER

Touch Key Reader body in stainless steel
Front plate dimensions (mm): 105 x 40 x 5
Two colours red/green LED for indication of operating status

Use: supplementary indoor reader for Touch Key Reader

Front plate in silver anodized aluminium

Front plate in black anodized aluminium

DALLAS IBUTTON

iButton body in chromium plated metal on black ABS support
dimensions (mm): 16 (diameter) x 5
Dimensions of the ABS support (mm): 53 x 15

Key fob in black plastic

Key fob in yellow plastic

Key fob in red plastic

Key fob in green plastic

Use: operating key for access control Touch Key.

Each iButton key is unique and unrepeatable and there are no copies.

If the key is lost it must be cancelled from the reader memory and replaced with a new one.

BOX FOR SURFACE FIXING FOR TOUCH KEY READER

Box in anodized aluminium:
External dimensions (mm): 105 x 40 x 20

Silver anodized

Black anodized

58000
58000N

58013
58013N

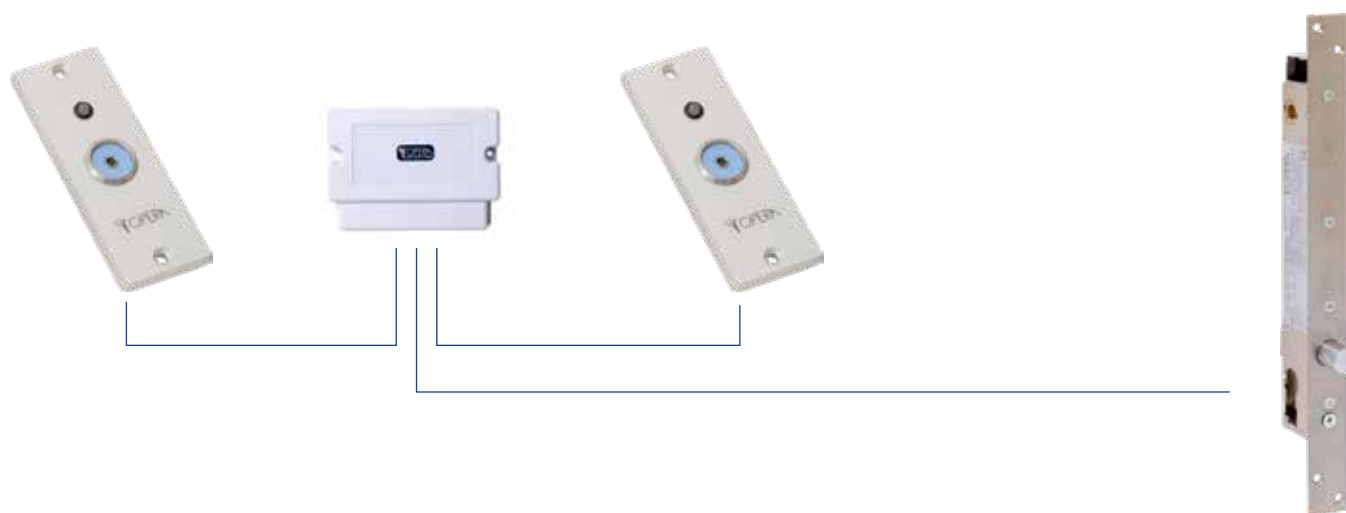
58015
58015G
58015R
58015V

05501
05501N

DALLAS SYSTEM WITH ENTRY READER ONLY



DALLAS SYSTEM WITH ENTRY AND EXIT READER



Art.

Description



Stand Alone



with remote electronic

58200SA
58200SB

BIOMETRIC

The Biometric reader is a simple one-door standalone biometric system.

The programming is fast and easy.

The reader can store up to 100 finger templates (97 users and 3 administrators). It has one relay output and one exit button input.

If secure installation is needed, the reader can be connected to a remote relay unit in the secured area (item 58200SB) which also plays the role of an exit push button.

The complete setup and programming can be done only by scrolling and tapping on the sensor.

Mounting: Surface mount

Housing Moulded Aluminium

Colour Silver, Red, Green, Dark Grey, Blue, White

Fingerprint Capacity: 97 + 3 templates

Output 1 x Relay (1 A /24V AC/DC)

Push Button Input: Yes

Door Open Time Pulse (1 to 60sec) or Toggle(ON/OFF)

Entry Mode: Finger

Programming: By scrolling and tapping on the sensor

Master/Admin Fingers: 1 Master and 2 Admin Fingers

Image resolution Up to 508 DPI

Backlight ON/OFF: Yes

Buzzer ON/OFF: Yes

Firmware upgrade: via RS485 converter and windows application

Current Consumption 100 mA max.

Power Supply 9-14 V DC

Indication Tricolor Status LED and 4 x Programming LEDs

IP Factor: IP65

Storage/Operating Temperature: -20°C to +50°C

Storage/Operating Humidity: 5% to 93% RH without condensation

Dimensions (mm): 92x51x25

Stand alone version

Security version with remote electronic

05820**REMOTE ELECTRONIC**

Container in ABS – dimension mm 90 x 36 x 32 – mounting on DIN rail

Power supply: 9-14 Vdc –

Power consumption: 80 Ma

Transmission with biometric reader: RS-485

N.O contact for door opening

Working temperature: 0 +40°C

IP Rate: IP31

3 relay output (24Vac/dc -3A) for opening of 2 electric locks

Relay activation time: impulsive (1,3,5,10,20,30,60 sec) or bi-stable (On/Off)

**05821****COVER CARTER**

Overhang carter in ABS for outside application

Dimensions: 130x78x30 mm



ACCESS CONTROL SYSTEM ACCESS BIOMETRIC SERIES

Applications examples
Stand AloneApplications examples
Remote ElectronicApplication
examples
on DIN rail

STAND-BY

FINGER PRINT

FINGER PRINT
UNKNOWN

doora

REMOTE EASY ACCESS



Doora...
no key, no stress!



www.doora.it



GSM

Which advantages?

Being a GSM system, there is no risk of informatic hacking.
It can be installed even in spaces with no internet connection.

The access can be **managed remotely**
from everywhere in the world and without internet connection.

System can manage **up to 18 doors** in one single connection/PIN.

It can authorize **single time slots.**

Zero costs of maintenance/management.

GSM telephonic door opener ▼
 Operation mode by SIM card activated
 by portable or fixed phone

Exits ▼
 Two exit contacts,
 manageable direct or bistable

Programming ▼
 By Pc or App

Users quantity ▼
 The internal memory can save up to
 1.000 users

Confirmation notifications ▼
 Received command confirmation
 message forward.



SMS forward message if the door is opened ▼
 Function can be activated by App or Software

Free of charge App for the SMS commands management ▼
 Can be downloaded on the Apple Store or Google Play.

GSM radio version ▼
 Functioning extension with radio modules
 and peripheral devices

Exits activation ▼
 By call or code if combined with
 keyboards

Supplementary exits ▼
 Can be combined with up to 18
 supplementary radio modules for direct
 activation or by keyboard

App Opera-57501



PLUS EXEMPLE

- ▶ Easy installation and use
- ▶ Manageable from any telephone device
- ▶ Operations can be activated with a simple call or by SMS
- ▶ SMS answer/confirmation



For you guests but not only!

It is the OPERA solution to eliminate the **problem of keys and badges** to enter the house. A clever system that enables to **welcome guests or lodgers** even if you are the other part of the world or you have no time to look after their arrival. **DOORA is ideal to manage the entry of any person who has to enter in your house occasionally.**



Cleaning Staff



Maintenance Staff



Gardeners

doora

RESIDENTIAL



Smartphone

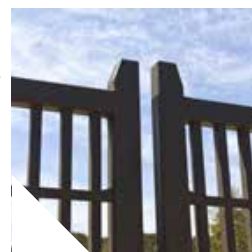


Doora is an advanced system created for the door opening. Very easy to install, it can be programmed by your own PC software or directly by SMS by App. Ideal for the remote door opening activation, automatic gate motorisations, activation and deactivation of alarm systems, power on light but also for the air conditioning activation in the apartment, the heating, the irrigator in the garden. It can also send notification SMS messages even without having received the activation command, for example if the door is opened manually, if an alarm contact is activated, etc.. In the RF version, ideal for B&B, it enables the management of the door openings by simply activating the phone number of the customer even remotely.

BED & BREAKFAST



Smartphone



WATCH THE VIDEO



Door 1.....Door 18



Art.
Description
DOORA GSM TERMINAL

White ABS body for wall mounting
Dimensions: mm. 160 x 100 x 43
Power supply: 12/24 Vdc – 12/18 Vac
Absorption: 90 mA at 12 Vdc


GSM

LED signalling on the front plate of the box for:

- Green colour LED for the system status visualisation
- Yellow colour LED for the active/faulty connection
- Red colour for exit 1 active visualisation
- Red colour for exit 2 active visualisation

Internal GSM module UMTS – 3G

Slot for the SIM card insertion (on demand external antenna for a USB connector type B for the configuration and the firmware update)

Internal connections by screw clamps

Can be matched by radio to keyboards, relay modules and other expansion devices

Relay exit 2 C:/N.O./N.C. (12V / 2A max) selectable

Work independently with temporized monostable contact (for example lock opening) or bistable (for example alarm activation and deactivation) by portable phone.

2 optoisolated entries with N.O. contact

Functions:

- Controllable Exit by SMS
- SMS for the entry activation (executed operation or alarm)
- Internal memory with up to 1.000 authorized telephone numbers
- Configuration by Windows Pc software, App or SMS
- Activation selection by call, App or SMS
- SMS confirmation for the sent message receipt
- Entry contacts for the confirmation by SMS of the executed operation.

57501
57501RF

GSM Terminal

GSM Terminal with radio module 433 MHz

Use: remote activation system for door opening, garages, gates, alarms, lighting, irrigation system, etc. Through the entry contacts, it can give information regarding the alarm activation, the door opening, the lack of power supply in the apartment, etc.

EXTERNAL GATE


Executed operation confirmation

opening 1


APPLICATION EXAMPLES
INTERNAL DOOR


opening 2

Executed operation confirmation



Art.

Description



57512RF

CODE KEYBOARD WITH RADIO CONNECTION

Body in dark grey ABS, dimensions: mm 129 x 46 x 30
 Keyboard with 10 numeric keys plus an Enter button.
 Polycarbonate membrane film, tactile effect rounded keys.
 Internal buzzer for the connection signalling of the key pression.
 Power supply 12 Vac7dc – 24 Vdc
 Status LED for the radio connection and operative status visualisation.
 Connection by radio 433 MHz with GSM terminal item code 57501RF
 Maximum range: 50 mt in free zone

Functioning: combined with GSM item code 57501RF, it enables the management of the door opening entering the users PIN. No wire connections are requested between the keyboard and the GSM as the transmission is by radio.



57512SRF

ANTI VANDALISM CODE KEYBOARD FOR EXTERNAL USE WITH RADIO CONNECTION

Frontal body and keys in stainless steel.
 Carter dimensions on black ABS rim mounting mm 103 x 84 x 25
 Keyboard with 10 numeric yellow backlit keys plus an Enter button, protection degree IP 65 for outside functioning.
 Buzzer on the radio card for the key pressure signalling
 Power supply 12 Vac/dc – 24 Vdc
 Status LED for the radio connection and operative status visualisation.
 Connection by radio 433 MHz with GSM item code 57501RF
 Maximum range: 50 mt in free zone

Functioning: combined with GSM item code 57501RF, it enables the management of the door opening entering the users PIN. No wire connections are requested between the keyboard and the GSM as the transmission is by radio.

NEW**ANTI VANDALISM CODE KEYBOARD FOR EXTERNAL USE WITH RADIO CONNECTION**

Frontal body and keys in anodised aluminium.
 Carter dimensions in black ABS rim mounting mm 120 X 46 X 20
 Keyboard with 10 numeric white or blue backlit keys plus an Enter button, protection degree IP 65 for outside functioning.
 Buzzer on the radio card for the key pressure signalling
 Power supply 12 Vac/dc – 24 Vdc
 Status LED for the radio connection and operative status visualisation.
 Connection by radio 433 MHz with GSM item code 57501RF
 Maximum range: 50 mt in free zone

57513RF

57513NRF

silver colourblack colour

Functioning: combined with GSM item code 57501RF, it enables the management of the door opening entering the users PIN. No wire connections are requested between the keyboard and the GSM as the transmission is by radio.



NEW



Art.

57515RF

Description

RADIO MODULE REPEATER

Body in dark grey ABS, dimensions mm 66 x 50 x 20
 Power supply 12 Vac/dc – 24 Vdc
 Bicolour LED red/green for the radio connection visualisation
 RS-485 for the keyboard connection
 Radio connection 433 MHz with GSM item code 57501RF
 Maximum range: 50 mt in free zone

Functioning: radio signal repeater, to use in combination with keyboard code 57512RF, 57512SRF, 57513RF to connect by cable with RS-485 to the keyboard when it is installed far from the GSM.

57516RF

**RELAY MODULE WITH RADIO CONNECTION**

Body in white ABS, dimensions mm 66 x 50 x 20
 Power supply 12 Vac/dc – 24 Vdc
 Bicolour LED red/green for operative status visualisation
 Relay exit C./N.O./N.c. (12 V / 2 A max)
 Connection by radio 433 MHz with GSM item code 57501RF
 Maximum range: 50 mt in free zone
 Setting of 16 addresses with internal contraves
 Relay activation by App or SMS

Functioning: the relay module is activated remotely by the GSM item code 57501RF, enabling a domotic management of the house. By the Doora App, the door opening, the air conditioning, the heating, the lighting and irrigation can all be activated.

If use in combination with items code 57512RF, 57512SRF or 57513RF it enables the management to up to 16 supplementary keyboards. No wire connections are requested between the keyboard and the GSM as the transmission is by radio.

NEW



57517

EXTERNAL GSM SUPPLEMENTARY ANTENNA

Height: 78 mm
 Length of the antenna cable: 2,5 m
 Base with adhesive fixing

Use: supplementary antenna to use in combination with 57501 and 57501RS when the central unit is installed where it does not receive enough GSM signal

NEW



57518

GSM / UMTS MODEM

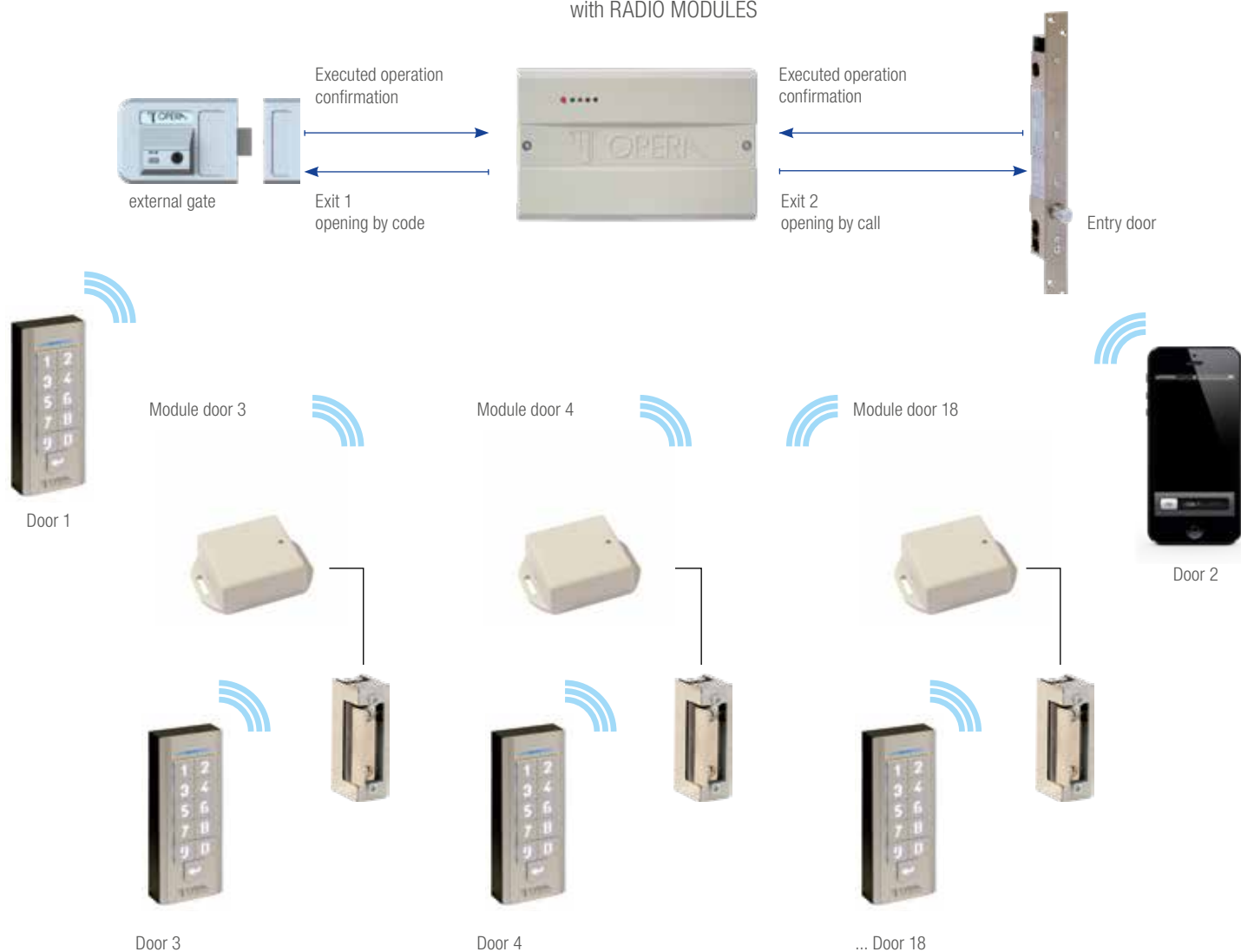
Body in blue ABS
 Dimensions: mm 80 x 70 x 30
 Fixing system: wall or on DIN bar
 Functioning frequency: GSM, GPRS and UMTS
 Power supply 6 21 Vdc / 2A peak (acceleration) – 250 mA in stand-by (supplied with power supply with socket/plug)
 Interface: serial door RS232 and USB 2.0
 Slot for SIM introduction
 Antenna connector SMA female. Supplied with antenna cable length 2,5 mt
 Supplied with USB cable

Functioning: GSM modem for PC connection for the doora system management from software

APPLICATION EXAMPLES Items 57501RF and 57513RF



APPLICATION EXAMPLE Items code 57501RF and 57513RF with RADIO MODULES



NEW

Art.

Description

57522

DOORA SOFTWARE

Application software for the doora system management by local PC through USB door or remotely through GSM modem item code 57518.

Operative system Microsoft Windows 7.1 and those following

Protection by password

Administrator creation

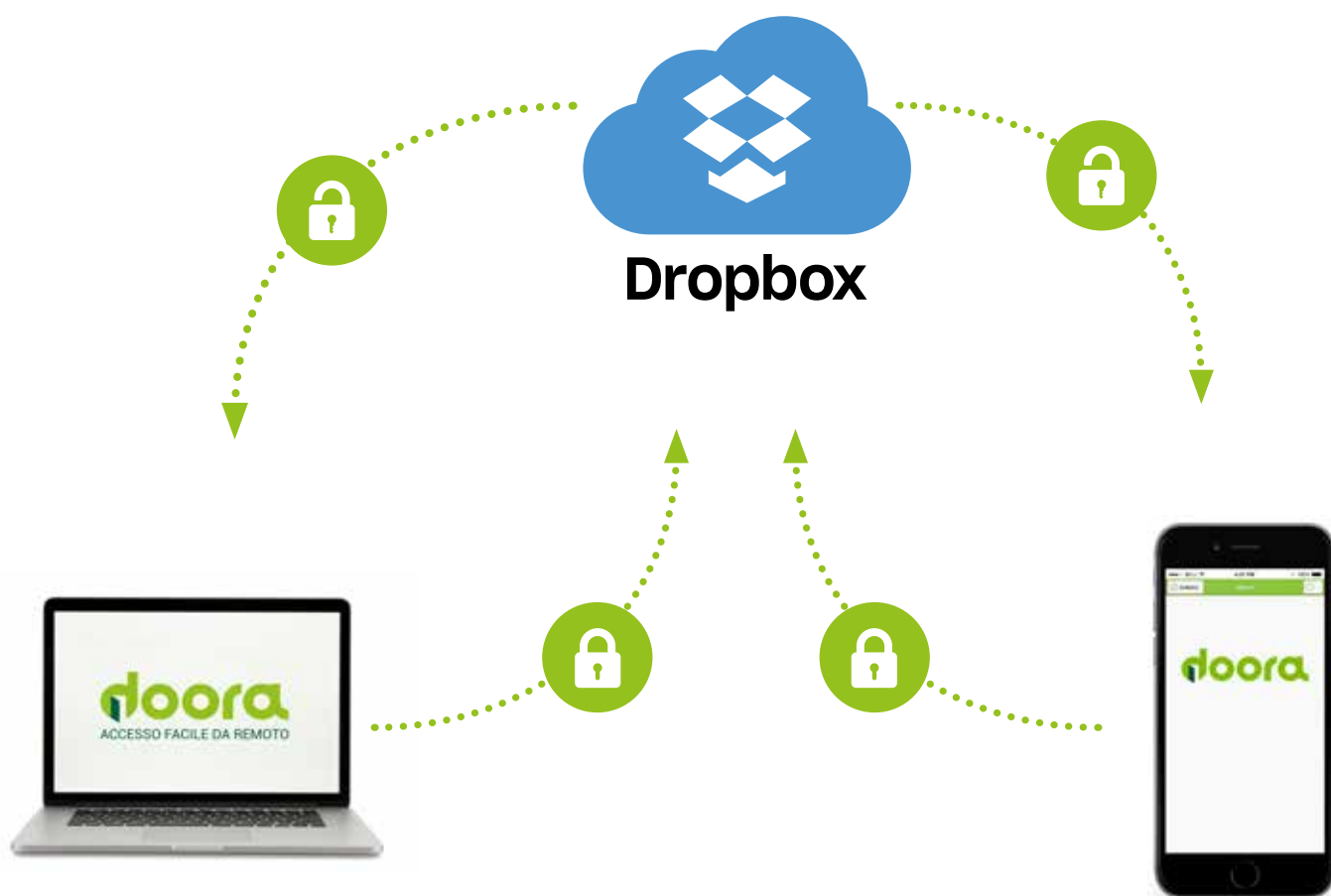
Door opener creation/ accommodation facility

Introduction, Modification, Deleting of single users



User introduction with:

- Name
- Phone number
- Date and time of arrival and departure
- Doors selection to authorize by call or Pin code
- Automatic or manual PIN code creation
- Unlimited users openings or xxxxxx (for example for maintenance)
- Availability by date
- Configuration and data base storage on DropBox cloud



NEW



Art.

Description

DOORA APP

App for the doora system management, remotely by handphone

Operative system Apple iOS and Android

Protection by password

Date base creation

Administrator creation

Door opening/accommodation facility creation

Introduction, Modification, Deleting of single users

User introduction with:

- Name
- Date and time of arrival and departure
- Doors selection to authorize by call or Pin code
- Automatic or manual PIN code creation
- Unlimited users openings or xxxxxx (for example for maintenance)
- Availability by date
- Configuration and data base storage on DropBox cloud

App Opera-57501



NEW



Art.

Description

RADIO ELECTRIC HANDLE WITH KEYPAD

Electric handle for locks to mortice
 Glossy finish with surface PVD finishing
 Dimensions: mm 280 x 40 x 13
 Interaxis between cylinder and handle mm 85
 Handle frame mm 8
 Fixing on the door without supplementary holes
 Integrated code keyboard
 Power supply: 4 alkaline batteries AAA
 Predisposition for the external connection to the power supply 12 Vac/dc – 24 Vdc.
 Absorbed current: 20 uA in stand-by/100 mA with activated handle
 Functioning temperature: -50/+60 °C
 Doors thickness: mm 32 – 70
 Low consumption circuit, long lasting batteries (more then 1 year)
 Radiofrequency operative technology 433 MHz
 LED signalling for low batteries
 Blue LED (activated handle)

Use: can be used instead of the traditional mechanic handle, in combination with the **doora** system which enables the door opening without wire connection.

40814.1RFInox finishing version – right hand – 433 MHz technology**40814.2RF**Inox finishing version – left hand – 433 MHz technology**40814.1GDRF**Gold finishing version – right hand – 433 MHz technology**40814.2GDRF**Gold finishing version – left hand – 433 MHz technology

Functioning: electric handle works by radio; it does not need wire connections to the DOORA unit.

NEW

**RADIO CODE KEYBOARD**

Body in white or black ABS
 Dimensions: mm 135 x 54 x 19
 Keyboard power supply: n. 3 AAA batteries
 Predisposition for the external connection to the power supply 12 Vac/dc – 24 Vdc (on demand by supplementary circuit).
 Functioning temperature: -20/+60 °C
 Functioning frequency: 433 MHz
 Functioning distance: 50 Mt in free zone
 Keyboard with bicolour red/green LED for the operative status indications
 Internal buzzer of the buttons pression

57320RFBlack colour**57320BRF**White colour

Functioning: keyboard works by radio; it does not need wire connections to the GSM unit.

APPLICATION EXAMPLE ITEM 57501RF
WITH BATTERY RADIO ELECTRIC HANDLES



NEW



Art.

Description

09000

MOTORIZED KNOB

Metal body, dimensions mm 66 x 65 x 70
 Power supply: 12 Vdc (from item code 05320XL or 05312XL)
 Signalling buzzer for the operative status
 Self-learning system of the lock (key) turns and the bolt.
 Maximum torque: 2,1 N/m
 Coupling without mechanism and without clutch
 Opening/closure button
 Automatic closure with door sensor
 N.O. contact for opening by external systems
 N.O. contact for door sensor
 Programmable function of stay open / automatic closure disablement

Functioning: motorized button to be used on any cylinder with shank/
 tang for the motorized opening and closure of a mechanic lock (for example
 apartment security door).

NEW



09002

09003

09004

SPACERS

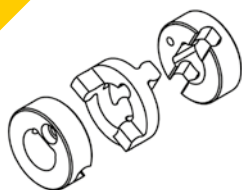
Use: metal rose to thick and reinforce the lock and the wood panel of the
 security door.

Thickness from 18 to 28 mm

Thickness from 28 to 38 mm (standard or supplied into the box)

Thickness from 38 to 48 mm

NEW



09005

CARDAN SHAFT

Use: compensation cardan shaft to use when cylinder and engine are
 misaligned up to 5°

02252

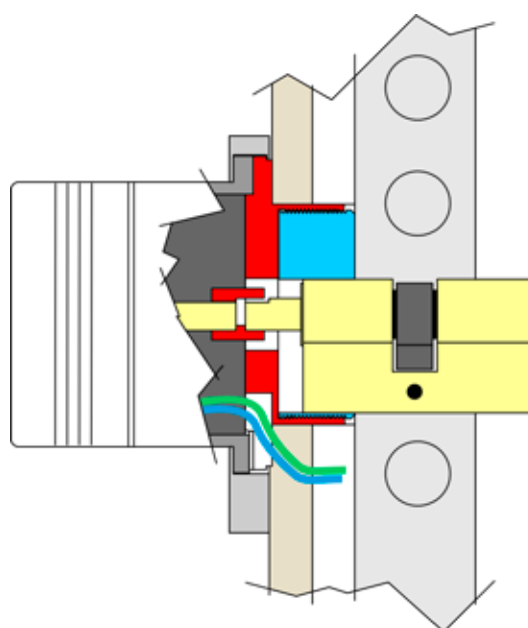
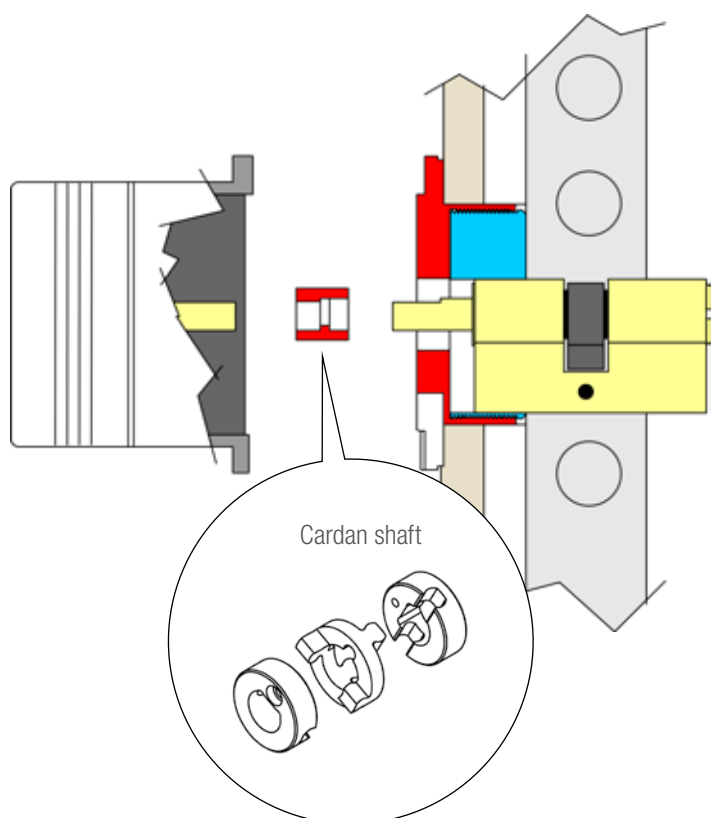
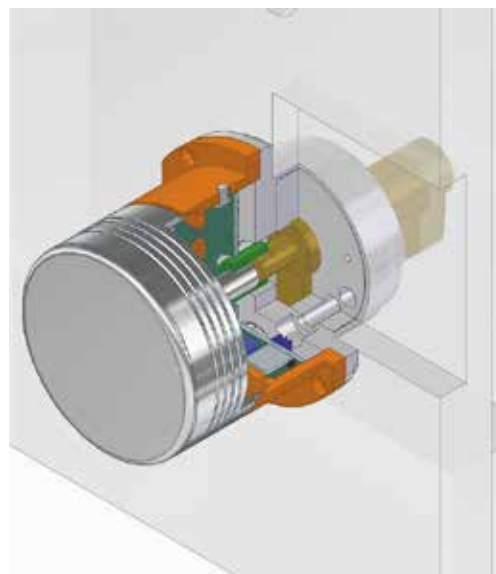
EXTERNAL ANTI-TAMPER DEFENDER

For euro profile cylinder

Body in glossy brass with rotor

Dimensions: mm 54 (diameter) x 13

Center distance fixing holes: mm 38 and 26



NEW

Art.

Description

CYLINDER WITH MOTORIZED KNOB

Knob body in anodized aluminium

Knob dimensions: diameter 60 mm x extension, 62 mm (without cylinder)

Power supply: 5 alkaline batteries AA (long lasting - 1 year with average 6 daily operations)

Connection by radio through transmitter 433 MHz

Connection to the GSM terminal through item code 57519

Maximum range: 50 Mt in free zone

Euro profile cylindric body

Nickel-plated finish

Supplied with 5 keys, 1 remote control for the programming and 2 remote controls for the opening/closure

Functioning: euro profile cylinder with motorized knob. It works with batteries for the opening and closure of mechanic locks for wooden security doors and aluminium multipoint.

08020.07RF**08020.08RF****08020.09RF****08020.10RF**Dimension 66 mm (31 + 35 ÷ 41)Dimension 70 mm (35 + 35 ÷ 41)Dimension 75 mm (40 + 35 ÷ 41)Dimension 81 mm (31 + 50 ÷ 56)

NEW

57519

RE-CLOSURE RADIO CIRCUIT

Power supply 12 Vac/dc – 24 Vdc

Green LED for the knob activation and door open visualisation (flashing)

Magnetic sensor entry with N.O. contact

Radio connection 433 MHz – Maximum range: 50 Mt in free zone

Functioning: combined with the motorized knob, it enables the automatic re-closure when door approaches or after 5 seconds if the door is not opened.



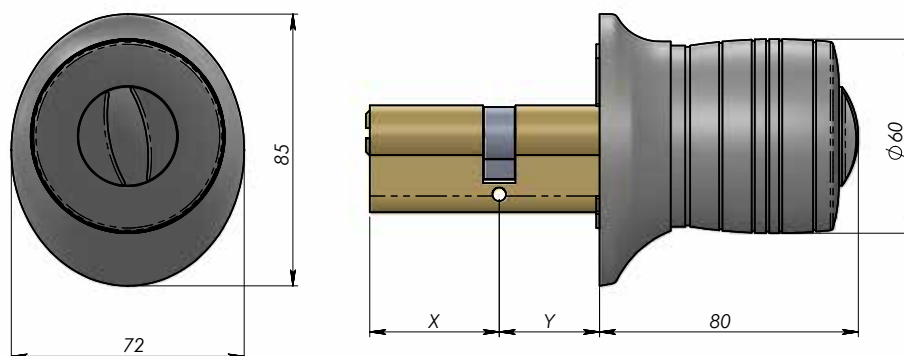
01808K

SUPPLEMENTARY KEY

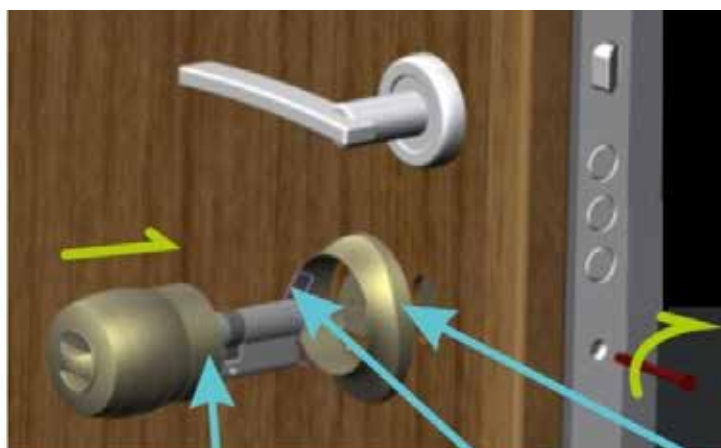
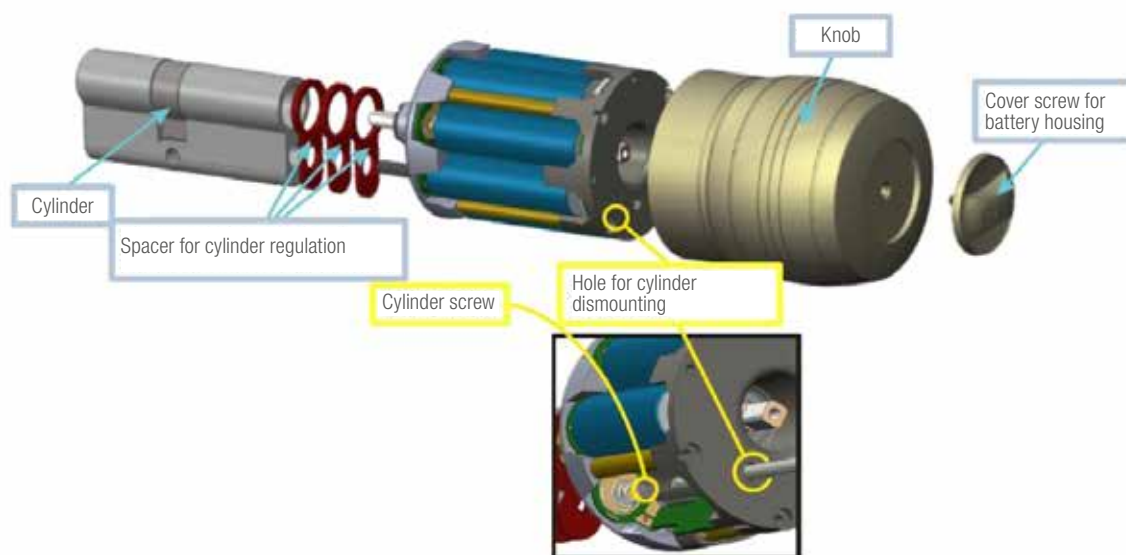
Supplementary key for motorized cylinder



CYLINDER WITH MOTORIZED KNOB



REF.	X	Y
0802007RF	31	35-41
0802008RF	35	35-41
0802009RF	40	35-41
0802010RF	31	50-56



Motorized cylinder

Spring
plate

Supplied plate

NEW



Art.

57530

Description

ENERGY SAVING CONTROL UNIT

ABS box for mounting on DIN bar
 Dimensions mm 90 x 70 x 58
 Power supply at 230 Vac
 Real time clock for maintenance by backup battery of date and time
 Door entry sensor
 Window entry sensor (for air conditioning turning off)
 Activation button entry
 Automatic activation entry by detectors
 Power supply exit of remote-control switch for current activation

Functioning: central unit which enables the automatic people detection inside the apartment and consequent activation / deactivation of electricity on some devices (such as lighting and air conditioning). It can be installed even independently from the Doora System (for example where keys or other systems are used). To be combined to the universal radio receiver 8 channels item code 57513RF

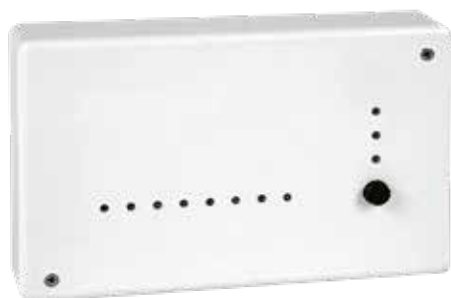
NEW

57531RF

RADIO RECEIVER CIRCUIT

Dimensions: 170 x 107 x 30 mm
 Power supply 10-15 Vdc / 40 mA
 Entry radio channels: 8
 Alarm relay exits: 8 selectable N.O./N.C.
 Battery status relay exit : 1
 Function of test range with acoustic signalling
 Led signalling: 11 (8 entries, 1 battery status, 1 anti-tamper and 1 supervision)
 Alarm memory: viewable by LED
 Radio range test: by acoustic signal
 Connection by radio 868 Mhz – Maximum range: 50 Mt in free zone

Functioning: universal radio receiver operating at 868 MHz in FSK; is possible to combine up to 8 radio peripheral devices operating at 868 MHz. 8 radio entry channels, 8 relay exists, 1 exit for low battery, 1 exit for anti-pass back and anti-tamper, plus standard alarm and sabotage signals. Range test function by acoustic signal.



NEW

 57532RF
 57532BRF
RADIO MAGNETIC SENSOR

Box in brown or white ABS
 Dimensions: 135 x 35 x 34 mm
 Detection: Reed contact
 Power supply: AA lithium battery, 3,6 V, 2.200 mAh (included)
 Radio frequency: 868 MHz
 Absorption: 12 μ A
 Storage for self-learning
 Red LED for indication alarm
 Event double transmission (DTE)
 Radio range: up to 200 Mt in free zone
 Transmission: alarm, sabotage, battery status
 Functioning temperature: $-5^{\circ}\text{C} \div +40^{\circ}\text{C}$

Brown colour
White colour

Functioning: opening magnetic contact for internal use for doors and windows protection. The transmitter module, put into a plastic box, has an anti-pass back micro switch and a storage button.
 Can be matched with the universal 8 channels radio receiver item code 57531RF



NEW



Art.

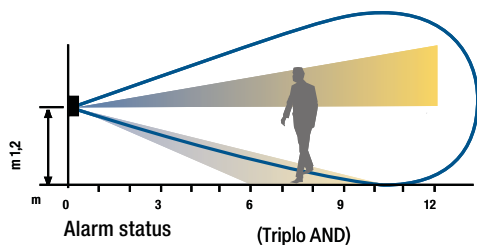
Description

57533RF

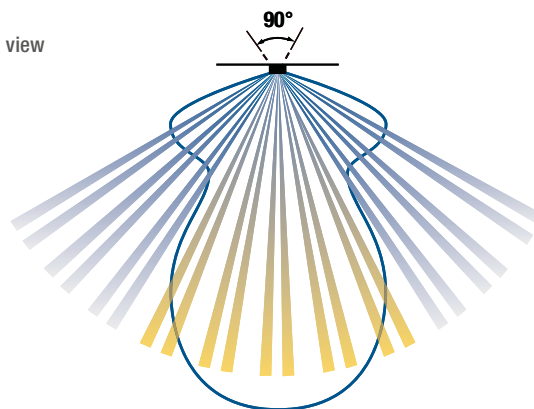
RADIO SIGNAL DETECTOR

Detection: Dual PIR detector + microwave 10.525 GHz
 Dimensions: 71 x 102 x 56 mm
 Power supply: lithium battery 3,6 V, 2.200 mAh (included)
 Standby absorption: 12 μ A (during detection 25 mA)
 Horizontal coverage: 90°
 Detection range: 12 m
 Radio range: up to 200 Mt in free zone
 Radio frequency: 868 MHz
 Kind of transmissions: alarm, sabotage, battery status
 MW sensibility: adjustable by trimmer
 Exercise temperature: +5° ÷ +40° C

Functioning:: presence detection by radio from inside in double technology, microwave plus infrared, with radio transmitter 868 MHz to match to the 8 channels universal radio receiver item code 57531RF. Supplied with knob for wall fixing or metallic block for ceiling fixing. Protected against opening.



Plan view



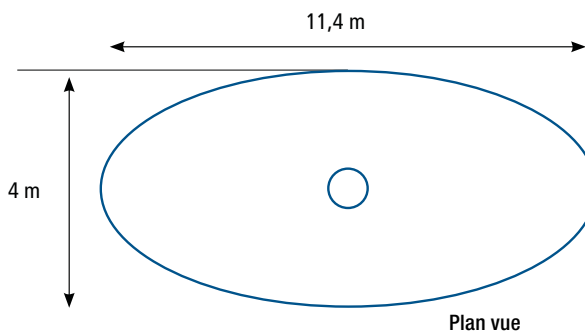
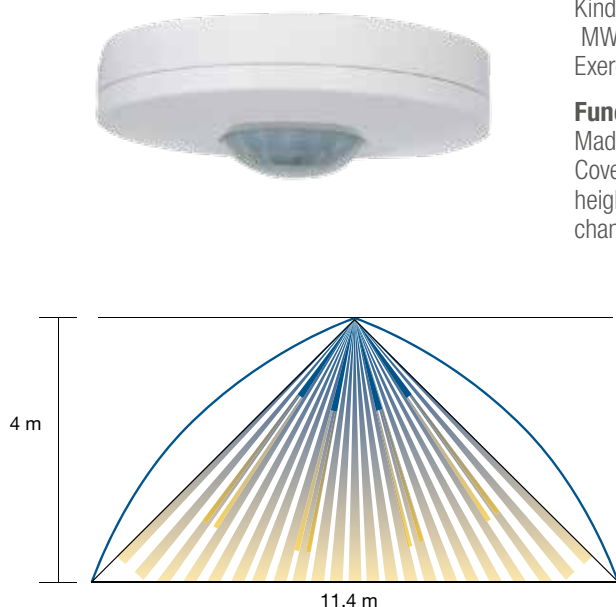
NEW

57534RF

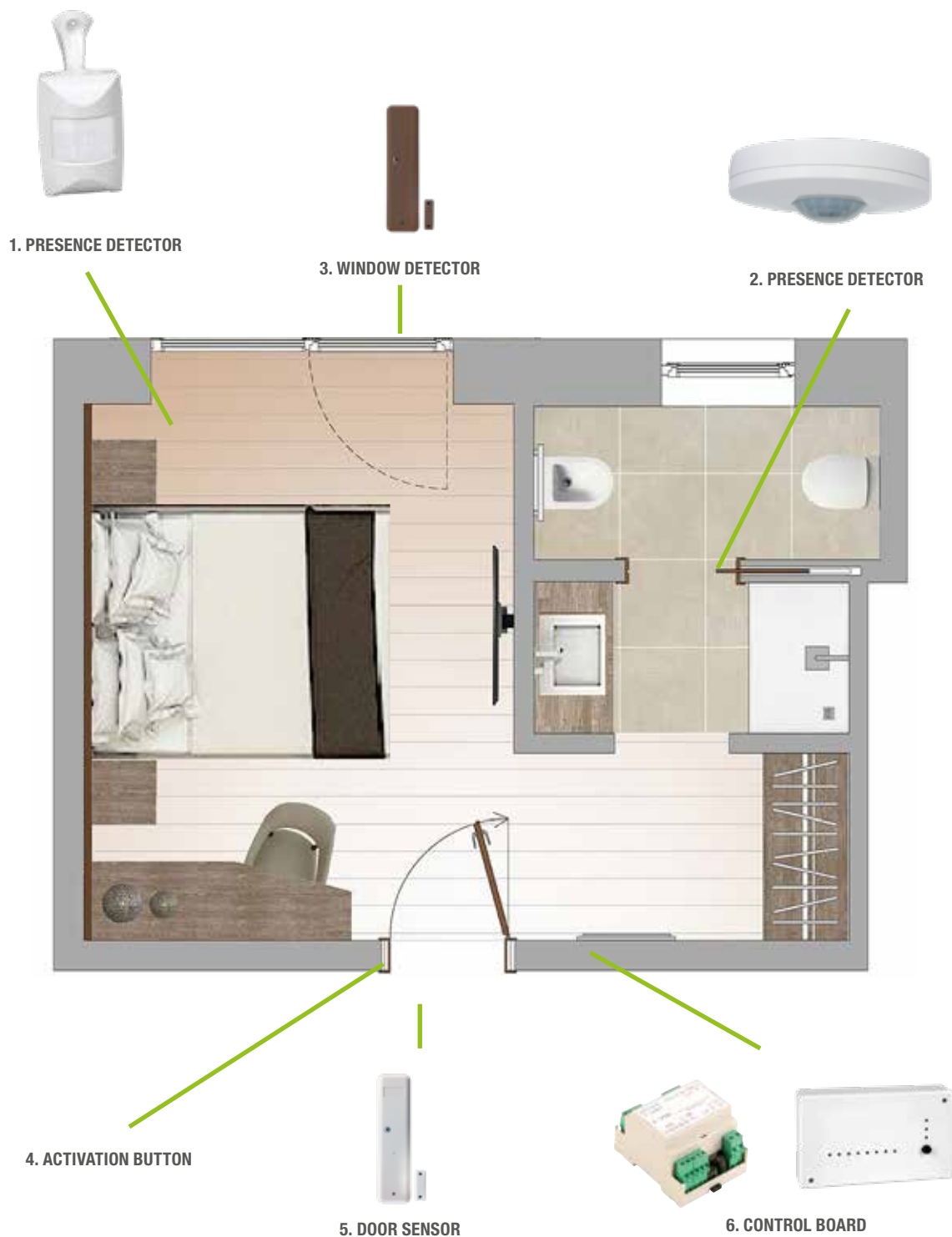
RADIO SIGNAL DETECTOR

Detection: Dual PIR detector + microwave 10.525 GHz
 Dimensions: \varnothing 129 x 43 mm
 Power supply: lithium battery 3,6 V, 2.200 mAh (included)
 Standby absorption: 12 μ A (during detection 25 mA)
 Detection area: elliptical
 Detection range: 12 m
 Radio range: up to 200 Mt in free zone
 Radio frequency: 868 MHz
 Kind of transmissions: alarm, sabotage, battery status
 MW sensibility: adjustable by trimmer
 Exercise temperature: +5° ÷ +40° C

Functioning: presence detection by radio from inside for ceiling fixing. Made of 1 PIR and 1 microwave with planar antenna of 10,525 GHz. Coverage area: 11,4 Mt if installed at 4 Mt height ; reducing the fixing height, the coverage axis decreases. Can be matched with the universal 8 channels radio receiver item code 57531RF. Protected against opening.



APPLICATION EXAMPLE



LEGENDA

- 1 Room volumetric detector
- 2 Bathroom volumetric detector
- 3 Window magnetic detector (it deactivates air conditioning)
- 4 Activation button (optional)
- 5 Entry door magnetic detector
- 6 Control board



OPERA solution that eliminates **keys or badges** hand over to enter the house. A clever system that enables to **welcome guests or tenants** or tenants even if you are the other part of the world or you have no time to look after their arrival.

FOR THOSE WHO HAVE

HOUSES, OFFICES,
ROOMS OR B&B TO RENT.

FOR THOSE WHO HAVE

CHOSEN TO MAKE MONEY WITH
HOSPITALITY WITHOUT GETTING CRAZY.

FOR THOSE WHO

WISH MAXIMUM SECURITY
WHEN THEY
RENT THEIR PREMISES.

FOR THOSE WHO

WISH TO OFFER A
PROFESSIONAL
WELCOME SINCE THE
BEGINNING



For your guests but not only!

Simple and modular, **DOORA** is the perfect solution to manage access **without keys, badge or remote controls** that can be lost, copied or found by non-authorized people.

**DOORA is ideal to manage
the occasional entries in your house.**



Cleaning staff



Maintenance staff



Gardeners



PEOPLE COUNTER

- ▶ WIRE FREE ADVANCED SYSTEM TO CALCULATE STAFF TRANSIT
- ▶ BATTERY POWER SUPPLY
- ▶ STAND ALONE FONCTIONNING
- ▶ WIFI TRANSMISSIONS TO THE HUBS
- ▶ HUB WITH ETHERNET CONNECTION

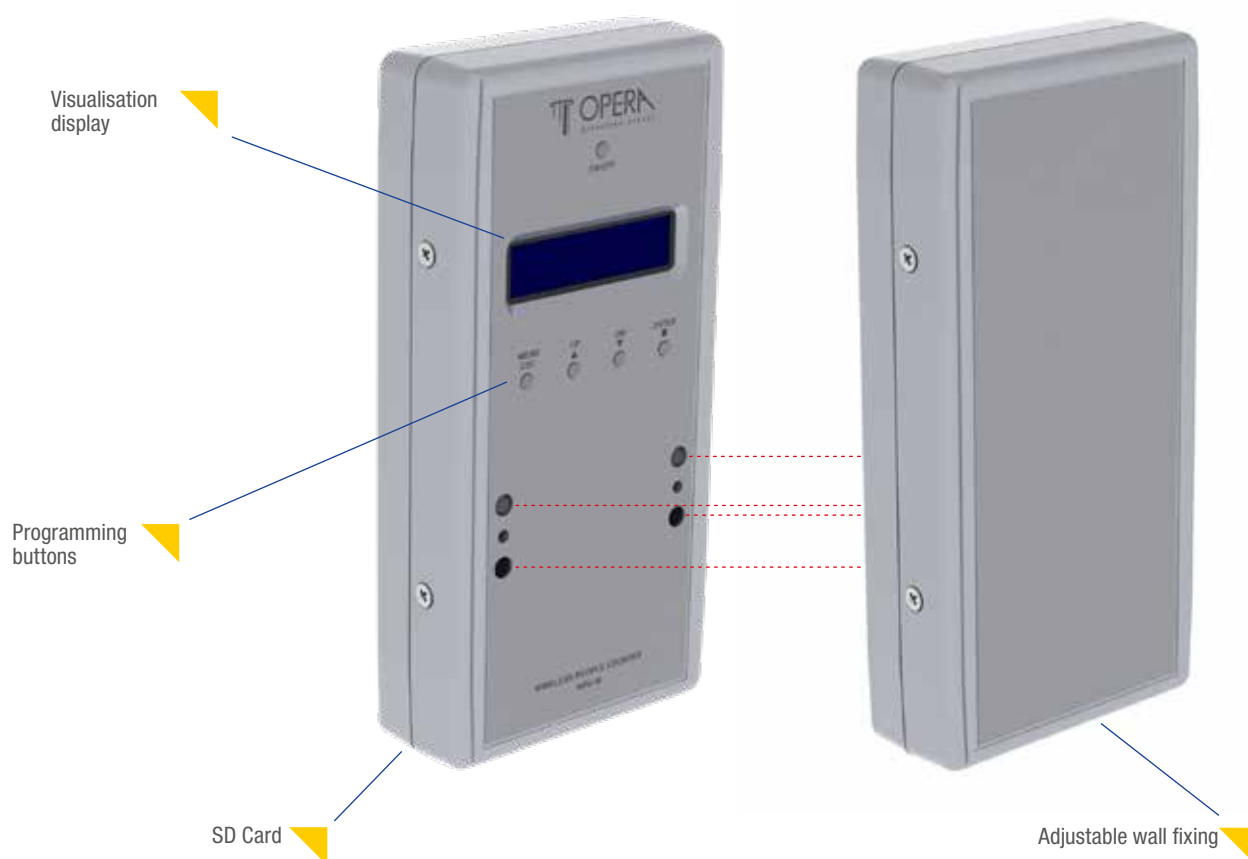


PEOPLE COUNTER

www.opera-italy.com

MASTER SYSTEM

SLAVE SYSTEM



PLUS

- ▶ Reduced dimensions
- ▶ Codified infrared system with battery power supply
- ▶ Uni or bidirectional transit counter
- ▶ Wire free easy installation
- ▶ Stand Alone version with data download on SD card
- ▶ Radiofrequency version for data download on the Hub
- ▶ Data Hub with Ethernet connection for PC access





PLUS

- ▶ Wi-fi fonctionnant
- ▶ Bidirectional entry and exit counter
- ▶ Wi-fi data download and query by the Ethernet network

Art.

Description

VERSIONE BIDIREZIONALE



VERSIONE MONODIREZIONALE



59001
59002

59001RF
59002RF

PEOPLE COUNTER

Electronics in ABS enclosures

Dimensions: mm 165 x 80 x 35

Rated voltage: 3.6 V - power draw < 3 mW

Power supply: 3 x 3.6 V AA size Lithium thionyl chloride non rechargeable batteries. Operation over 1 year 59000

Protection circuit against incorrect battery installation

Version without batteries: 9 Vac/12 Vdc from inner terminals

Front panel with LCD display 2 x 16 characters: mm 55 x 16

Programming buttons from Master circuit

USB port for firmware upgrades

SD card slot for data storage and transfer to PC when used in stand-alone version

Configurable addressing from 1 to 10 when used with the concentrator connected to the PC

Data transfer to concentrator via 433.125 MHz radio frequency module

Real time clock/date

Data storage on non-volatile memory for 12 months period, 24 hours per day with details for each hour

Photoelectric barrier in two-way or one-way version

Controllable doors:

- 1 for the two-way version with maximum distance between the projector and receiver of 5 or 8 m (selectable)
- 1 for the one-way version with maximum door width of 2.5 m with reflector

Display information:

- Date and time
- Total entered
- Total exited
- Present in day
- Average presence in day
- Maximum presence in day
- Total presence since a pre-set date

Programmable settings for:

Date and time

Activation of "beep" function for each passage

Programming access password

Configurable door direction

Activation/deactivation reset time

Set maximum number of presences

Reset data in memory

Display terminal number

Photocell alignment test

Restore factory settings

Multilanguage support (Italian/English)

Stand-alone version

One-way version

two-way version

RF version for use with data router

One-way version

two-way version

Use: monitoring the number of people within a room (public offices, exhibitions, museums, conference halls, supermarkets, etc.)

Art.

Description

05914

WI-FI DATA ROUTER

Box in black ABS
 Dimensions (mm): 92 x 66 x 27
 Power supply: 5Vdc from power supply on Usb connector (supplied)
 Nominal tension: 3,3Vdc
 Power consumption: < 30mW
 RJ45 plug-in for Ethernet connection
 Ethernet controller IEEE 802.3 compatible
 Transmission to Mini Counter people by radiofrequency 433 Mhz
 99 channel
 Set up and configuration by Micro USB port
 Web server housed in to view data of Mini counter via Lan Network. Static IP address is required

Use: Data centre for Wireless Counter people

05916

SD MEMORY CARD

Memory card for storage of data



05917

BATTERIES 3,6 V - AA

3 batteries needed for people counter



APPLICATIONS EXAMPLES



Art.

Description

05912WEB

VIEWING/DOWNLOADER SOFTWARE

Software supplied on auto-installing CD-Rom for connection of the Mini Counter People system with a PC for viewing from a local station via RS-232 or remotely via converter Art. 05913 of the current status of presences inside the monitored facility.

On the monitor the following is shown:

- The customer's name on the header (i.e.: Museum of Fine Arts)
- Number of people who have entered
- Number of people who have exited
- Number of people present
- 3 presence thresholds with different colouring on the screen and viewing in red of exceeded pre-established maximum thresholds

The program allows:

- Downloading of the data with reference to the presences in a period of time, setting a start date and an end date
- Downloading of the data setting a time interval
- Memorising the status of the presences in a determined moment

Use: this software allows downloading of the data stored in the memory of the people counter, placing it on a PC in an Excel file. The data is shown subdivided into Entrances, Exits and Presences in one hour intervals. This way the data is easily managed for preparation of statistics with reference to the presences within a predetermined period of time



Nome file: _____

C:\Opera\file scaricati

Data di scadenza: _____

Art.

Description

59013

PALM PEOPLE COUNTER

Container in black ABS

Dimensions (mm): 105 x 58 x 18

2 x 16 character LCD display

Operating voltage: 3 Vdc via 2 AAA type batteries – 1.5 V

Front label in polycarbonate with 4 buttons In / Out / Set / OK

Monitoring of bidirectional or mono-directional passages

Memorisation and upkeep of 30 days or 790 hours on non volatile memory

Battery status indicated on display



View on display:

- Date and time
- Total entrances per single hour
- Total exits per single hour
- --Total presences per single hour

Settings programmable for:

Date and time

People Counter Reset

"Beep" function for every passing

Zero out data in memory

Automatic shut down

Use: monitoring of the number of people present in a room (public offices, exhibits, museums, conference rooms, supermarkets, etc...)

Art.

Description

Common characteristics:


High security 9 pin key cylinder. Body in nickel plated brass with tamper insert and pins in hardened anti-drilling steel. Built in accordance with EN1303 standards, grade 6 durability, grade 5 security.

Number of combinations: more than 300,000. Flat key in nickel plated brass, reversible. Supplied with certificate of ownership

DOUBLE FLAT KEY SECURITY CYLINDER

European profile cylinder body - Nickel plated finish

Supplied with 3 keys

	08010 06	<u>Dimension 60 mm. (30 + 30)</u>
	08010 07	<u>Dimension 65 mm. (30 + 35)</u>
	08010 08	<u>Dimension 70 mm. (35 + 35)</u>
	08010 09	<u>Dimension 70 mm. (40 + 30)</u>
	08010 10	<u>Dimension 80 mm. (40 + 40)</u>
	08010 11	<u>Dimension 80 mm. (45 + 35)</u>
	08010 12	<u>Dimension 85 mm. (45 + 40)</u>
	08010 13	<u>Dimension 90 mm. (45 + 45)</u>
	08010 14	<u>Dimension 90 mm. (50 + 40)</u>
	08010 15	<u>Dimension 90 mm. (55 + 35)</u>
	08010 19	<u>Dimension 100 mm. (50 + 50)</u>
	08010 20	<u>Dimension 100 mm. (60 + 40)</u>
	08010 21	<u>Dimension 100 mm. (55 + 45)</u>
	08010 22	<u>Dimension 100 mm. (70 + 30)</u>

HALF FLAT KEY SECURITY CYLINDER

European profile cylinder body. Matt nickel plated finish

Supplied with 3 nickel silver keys

	08030 01	<u>Dimensions 40mm. (30 + 10)</u>
	08030 04	<u>Dimension 45 mm. (35 + 10)</u>
	08030 05	<u>Dimension 50 mm. (40 + 10)</u>
	08030 06	<u>Dimension 60 mm (50 + 10)</u>
	08030 08	<u>Dimension 70 mm. (60 + 10)</u>
	08030 11	<u>Dimension 80 mm. (70 + 10)</u>
	08030 13	<u>Dimension 90 mm. (80 + 10)</u>
	08030 20	<u>Dimension 100 mm. (90 + 10)</u>

08040 00
KEY SWITCH

Key switch with N.O. contact

90° rotation with automatic return of the key - Supplied with 3 keys

01808
EXTRA KEY
KA
UNIQUE ENCRYPTION PER CYLINDER (KA)

Supplement for unique encryption per formed cylinder

TAMPER DEFENDER

Matt chromium plated body in hardened steel

Rotor in hardened steel

Dimensions (mm): 70 x 30 x 8

Fixing without through bolt holes with burglar block with cylinder inserted

Usable with cylinders which protrude up to 4 mm.

For greater protrusions special 1 mm. shims can be used up to the desired protrusion.

Use: dtamper defender for security cylinders. Can be used with all cylinders mounted on electromechanical locks and solenoid locks

02250
Defender
02251
1 mm. shims in steel


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Prices:

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Prices do not contain freight cost and invoicing cost when due.

All invoices will be raised in EURO

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National shipment (Italian territory):

- Net value of order, without taxes, is lower than Eur. 800,00 - Transport is paid til customer's premises, with charge in the invoice of the freight cost. The carrier is selected by Opera. In case the customer wish to use his own carrier or to select another carrier, the transport will be Ex our Work. In this case the freight costs are totally handled by customer/receiver.
- Net value of order, without taxes, is lower than Eur. 50,00 - Transport is paid til customer's premises, with charge in the invoice of the freight cost. The carrier is selected by Opera. - There is an extra charge of Eur. 10,00 for invoicing cost. Payment term is always up front or advanced.
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- All returns have to be sent, freight costs free, to our main factory in Modena, Italy. The goods have to be correlated with a list of items, sort of problem found, contact name and telephone number.

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