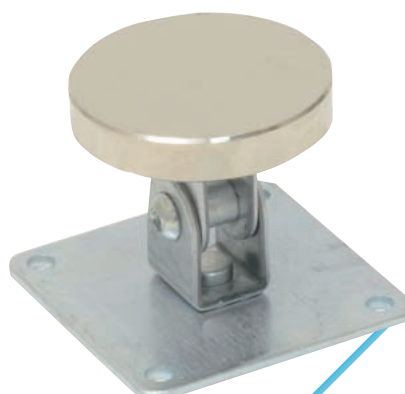




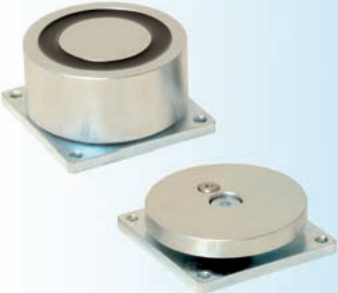






FIRE CONTROL



Art.		Euro
	<p>Hold open electromagnet</p> <p>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.)</p> <p>01620 01620I</p> <p>Electromagnet only Electromagnet complete with Armature plate</p> <p>Use: door holding electromagnet for swing or sliding counterweighted doors</p>	
	<p>Hold open electromagnet</p> <p>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. (on request reduced force to 20 Kg.) Spring for anti-residual magnetism on the electromagnet body</p> <p>01630 01630I</p> <p>Electromagnet only Electromagnet body with fix Armature plate item 01800Z</p> <p>Use: door holding electromagnet for swing or sliding counterweighted doors</p>	
	<p>Hold open electromagnet</p> <p>Electromagnetic 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)</p> <p>01820 01820I</p> <p>Electromagnet only Electromagnet complete with Armature plate</p> <p>Use: door holding electromagnet for swing or sliding counterweighted doors</p>	
	<p>Hold open electromagnet</p> <p>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</p> <p>01830 01830I</p> <p>Electromagnet only Electromagnet body with fix Armature plate item 01810Z</p> <p>Use: door holding electromagnet for swing or sliding counterweighted doors</p>	
	<p>Hold open electromagnet</p> <p>Version: wall mount Cylindrical body on galvanized steel base Magnet with resin coated coil Base and Armature plate dimensions (mm): 80 x 80 x 6 Magnet dimensions: diameter (mm) 80 x 37 h. Armature plate dimensions : diameter (mm) 75 x 21 h. Operating voltage : 24 Vdc - Absorbed current : 150 mA Holding force: 180 Kg. Residual anti-magnetism pin on the Armature plate Provided with Armature plate fixed on galvanized steel base</p> <p>17003</p> <p>Use: door holding electromagnet for swing or sliding counterweighted doors</p>	

On request: see variants on page 36

Art.		Euro
 <p>News</p>	<p>Hold open electromagnet Steel body Nickel plated magnet block Dimensions (mm): 85 x 75 x 35 Operating voltage : 24 Vdc Absorbed current : 70 mA Holding force: > 55 Kg. (on request reduced force to 20 Kg. - LF version, see page 36) Residual anti-magnetism pin on the electromagnet body Screw terminal block connection Internal anti-disturb varistor <u>Provided without Armature plate (to be ordered separately – see page 37)</u></p> <p>Without push button release 18000 Body in black painted steel 18000ST Stainless steel body</p> <p>With push button release 18001 Body in black painted steel 18001ST Stainless steel body Art. + R Adjustable holding force from 10-50 Kg. (i.e. 18001R)</p> <p>Compliance: UNI EN 1155 Use: door holding electromagnet for swing fire doors</p>	
<p>News</p> 	<p>Hold open electromagnet Version: flush wall mount Striking plate in stainless steel Front dimensions (mm): 85 x 85 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 36) Residual anti-magnetism pin on the electromagnet body Screw connection connector with anti-disturb varistor <u>Provided without Armature plate (to be ordered separately – see page 37)</u> With push button release Compliance: UNI EN 1155 Use: door holding electromagnet for swing fire doors</p>	
<p>News</p> 	<p>Box for flush mount electromagnet 01780 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</p>	
	<p>Hold open electromagnet Version: floor mount Body in black or white painted steel Dimensions (mm): 114 x 104 x 72 Operating voltage : 24 Vdc - Absorbed current : 70 mA Holding force: > 55 Kg. (on request reduced force to 20 Kg. - LF version, see page 36) Residual anti-magnetism pin on the electromagnet body Screw connection connector with anti-disturb varistor <u>Provided without Armature plate (to be ordered separately – see page 37)</u> With push button release</p> <p>18005 Body in black painted finish 18005B Body in white painted finish</p> <p>Compliance: UNI EN 1155 Use: door holding electromagnet for swing fire doors</p>	

On request: see variants on page 36

Art.

Euro



19000
19000GC

19001
19001GC
Art + R

Hold open electromagnet

Body in ABS with galvanized steel base
Nickel plated magnet block
Dimensions (mm): 90 x 75 x 35
Operating voltage : 24 Vdc - Absorbed current : 70 mA
Fixed Holding force: > 55 Kg. (on request reduced force to 20 Kg.
- LF version, see page 36)
Residual anti-magnetism pin on the electromagnet body
Connector with anti-disturb varistor
Provided without Armature plate (to be ordered separately – see page 37)

Without push button release

Body in black colour ABS
Body in grey colour RAL 7035 ABS

With push button release

Body in black colour ABS
Body in grey colour RAL 7035 ABS
Holding force adjustable from 10-50 Kg.- (i.e. 19001R)

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

19002
19002N
19002GD
Art + R

Hold open electromagnet

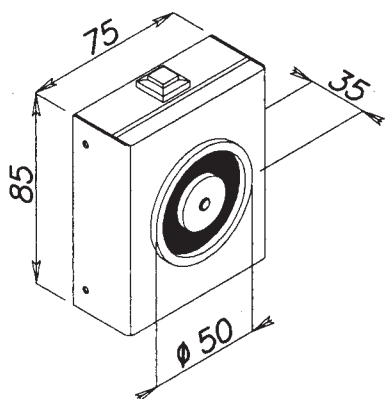
Body in anodized aluminium with base in galvanized steel
Nickel plated magnet block
Dimensions (mm): 90 x 75 x 35
Operating voltage : 24 Vdc - Absorbed current : 70 mA
Fixed Holding force: > 55 Kg. (on request reduced force to 20 Kg.
- LF version, see page 36)
Residual anti-magnetism pin on the electromagnet body
Connector with anti-disturb varistor
Provided without Armature plate (to be ordered separately – see page 37)

With push button release

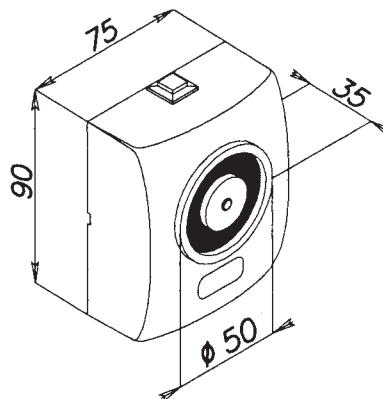
Body in silver colour anodized aluminium
Body in black colour anodized aluminium
Body in gold colour anodized aluminium
Holding force adjustable from 10-50 Kg. – (i.e. 19002R)

Note: On request without push button release**Compliance:** UNI EN 1155**Use:** hold open electromagnet for swing fire doors




On request: see variants on page 36



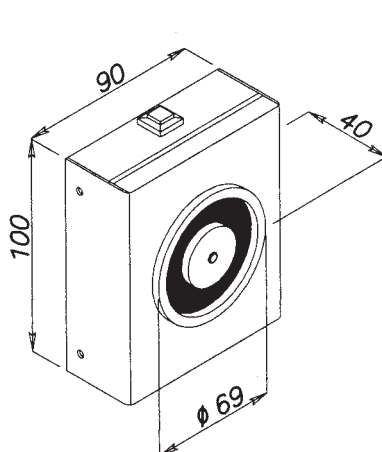
180 Series



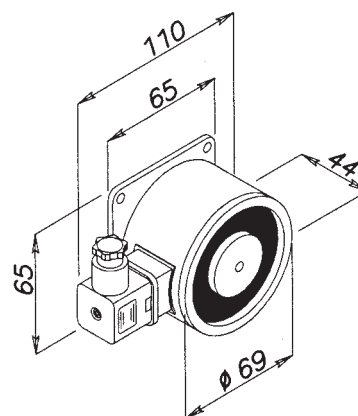
190 Series

Art.		Euro
	<p>Hold open electromagnet Box in black painted steel Dimensions (mm): 100 x 90 x 43 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 <u>Provided without Armature plate (to be ordered separately – see page 37)</u> Without push button release Compliance: UNI EN 1155 Use: door holding electromagnet for swing fire doors</p>	
	<p>Hold open electromagnet Box in black painted steel Dimensions (mm): 100 x 90 x 43 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 <u>Provided without Armature plate (to be ordered separately – see page 37)</u> With push button release Compliance: UNI EN 1155 Use: hold open electromagnet for swing fire doors</p>	
	<p>Hold open electromagnet Cylindrical body and black painted steel base Magnet base and Armature plate dimensions (mm): 65 x 65 x 3 Magnet dimensions: diameter (mm) 75 x 41 h. 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 <u>Provided without Armature plate (to be ordered separately – see page 37)</u> Compliance: UNI EN 1155 Use: door holding electromagnet for swing or sliding counterweighted fire doors</p>	

On request: see variants on page 36

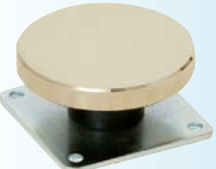


181 Series



Art. 18104

Art.		Euro
Art. + LV	<p>12 Vdc power</p> <p>Special coil for operation of the electromagnet at 12 Vdc Absorbed current : 120 mA Article electromagnet + LV (i.e. 19001LV) Use: for all electromagnets in the 01620, 01630, 180, 190 series</p>	
Art. + ALV	<p>12 Vac power</p> <p>Special coil and rectifier circuit for operation of the electromagnet at 12 Vac Absorbed current : 130 mA Article electromagnet + ALV (i.e. 19001ALV) Use: for all electromagnets in the 01620, 01630, 180, 190 series</p>	
Art. + AC	<p>24 Vac power</p> <p>Rectifier circuit for operation of the electromagnets at 24 Vac Absorbed current : 100 mA Article electromagnet + AC (i.e. 19001AC) Use: for all electromagnets in the Fire Control series</p>	
Art. + HV	<p>48 Vdc power</p> <p>Special coil for operation of the electromagnet at 48 Vdc Absorbed current : 40 mA Article electromagnet + HV (i.e. 19001HV) Use: for all electromagnets in the 180, 190 series</p>	
Art. + VHV	<p>230/240 Vac power</p> <p>Special coil for operation of the electromagnet at 230/240 Vdc Absorbed current : 30 mA Article electromagnet + VHV (i.e. 18001VHV) Use: for all electromagnets in the 180 series</p>	
Art. + LF	<p>Reduced holding force 20 Kg.</p> <p>Current reducer to bring the holding force of the standard electromagnets to 20 Kg. Article electromagnet + LF (i.e. 19001LF) Use: for all electromagnets in the 01620, 01630, 180, 190 series</p>	
Art. + F	<p>Screw connector</p> <p>Power connector with screw terminal block and anti-disturb varistor fixed on the body of the electromagnet Article electromagnet + F (i.e. 01630F) Use: for all electromagnets in the 01620, 01630, 01820, 01830 series</p>	
Art. + M	<p>Sensor</p> <p>Internal magnetic sensor with N.O. contact for indication of attracted Armature plate Article electromagnet + M (i.e. 19001M) Use: for all electromagnets in the 01620, 01630, 180, 190 series</p>	

	Art.		Euro
	01800Z	<p>Fixed Armature plate Fixed Armature plate for electromagnets series 180, 190 Base in galvanized steel Overall dimensions: (mm) 65 x 65 of the base x h 28 (including rubber support between base and Armature plate for articulation) Armature plate diameter (mm) : 55</p>	
	01805Z	<p>Swinging armature Swinging Armature plate for electromagnets series 180, 190 Base in galvanized steel Overall dimensions: (mm) 65 x 65 of the base x h 54 Armature plate diameter (mm) : 55</p>	
	01810Z	<p>Fixed Armature plate Fixed Armature plate for electromagnets series 181 Base in galvanized steel Overall dimensions: (mm) 65 x 65 of the base x h 33 (including rubber support between base and Armature plate for articulation) Armature plate diameter (mm) : 70</p>	
	01815Z	<p>Swinging armature Swinging Armature plate for electromagnets series 181 Base in galvanized steel Overall dimensions: (mm) 65 x 65 of the base x h 54 Armature plate diameter (mm) : 70</p>	
	01740 01740M	<p>Telescopic "wall" or "floor" mounting support for electromagnet Column extendable by section (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 dimensions: length (mm) 140 (adjustable up to 220 mm.) length (mm) 218 (adjustable up to 360 mm.) For electromagnets series 180, 181, 190</p>	
	05115	<p>Release/reset push button Box in white 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</p>	

Art.

Euro

**Electric handle – Base Version**

For solid and glass fire door locks

Body in black painted alloy

Handle in black painted aluminium with fixing core in galvanized steel

Internal mechanisms in hardened steel

Dimensions (mm): 225 x 38 x 30 , handle height (mm) 67

(on request handle height 82 mm.)

Backset between cylinder and handle (mm) 72, 92

Handle frame (mm) 9 (on request 8 mm.)

Fixing to the door designed to eliminate need for additional holes

12/24 Vac/Vdc power

Absorbed current: @ 12V – 700 mA peak/500 mA standby

@ 24V – 300 mA peak/200 mA standby

Green LED for signalling access activated

Use: the electric handle is mounted in place of the traditional mechanical handle on the outside of the door.

The handle, which is usually set to neutral, can be activated with a simple electrical pulse, thus allowing access from the outside (activation limited to the duration of the pulse). The pulse can be generated by push buttons or external access control systems.

Cannot be used together with locks which are not equipped with split handle frame

40600

Version activated on power loss

40800

Version deactivated on power loss

**Electric handle – Version with timer**

For solid and glass fire door locks

Body in black painted alloy

Handle in black painted aluminium with fixing core in galvanized steel

Internal mechanisms in hardened steel

Dimensions (mm): 225 x 38 x 30 , handle height (mm) 67

(on request handle height 82 mm.)

Backset between cylinder and handle (mm) 72, 92

Handle frame (mm) 9 (on request 8 mm.)

Fixing to the door designed to eliminate need for additional holes

12/24 Vac/Vdc power

Absorbed current: @ 12V – 700 mA peak/500 mA standby

@ 24V – 300 mA peak/200 mA standby

Internal timer adjustable from 0-60 seconds (can be bypassed)

Open Collector output for signalling activated handle

Two coloured red/green LED for signalling inhibited or activated access

Internal acoustic signalling with buzzer (can be bypassed) for indication of activated access

Use: the electric handle is mounted in place of the traditional mechanical handle on the outside of the door.

The handle, which is usually set to neutral, can be activated with the closing of a N.O. contact, thus allowing access from the outside. The contact can be generated by push buttons or external access control systems.

Cannot be used together with locks which are not equipped with split handle frame

40601

Version activated on power loss

40801

Version deactivated on power loss

Plate base for electric handle

Body in black painted steel

Dimensions (mm): 260 x 100 x 3

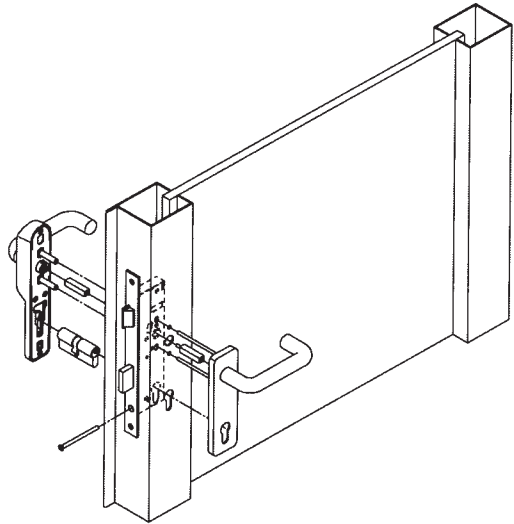
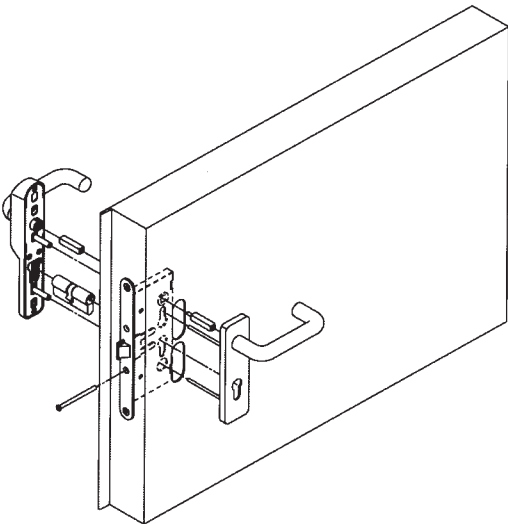
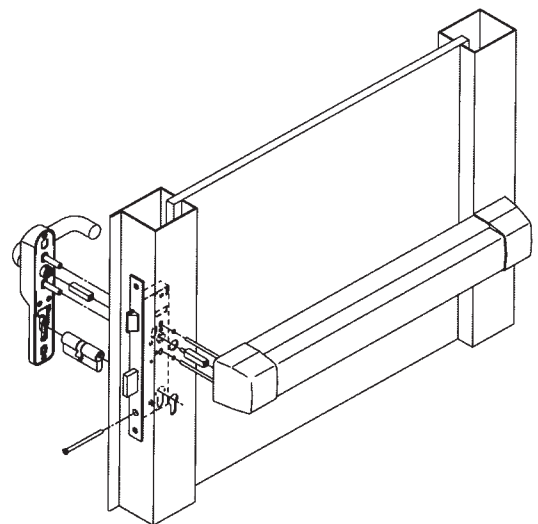
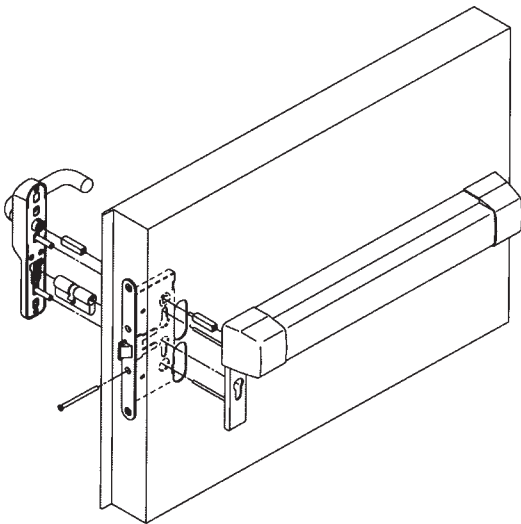
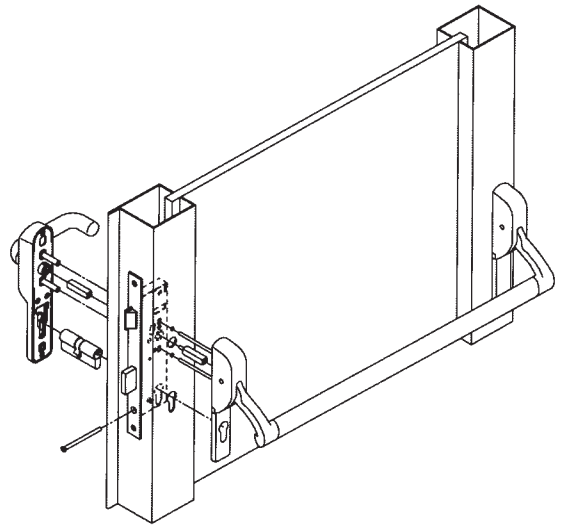
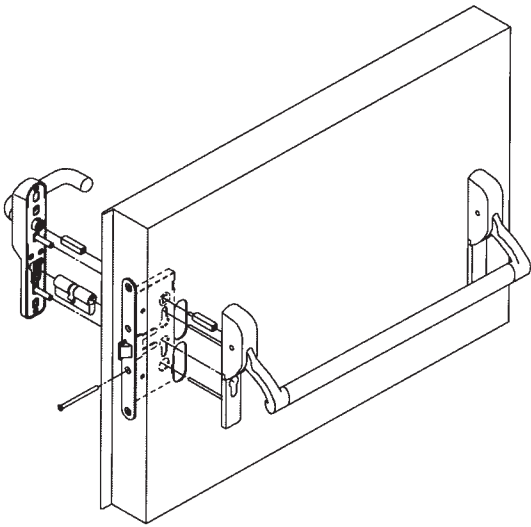
Fixing to the door by means of the electric handle itself without having to drill additional holes

Use: the plate support is a supplementary accessory which can be combined with the electric handle in cases in which it is necessary to increase the surface contact when the fixing of the electric handle tends to crush the structure of the door itself

News



00406



Art.

Euro



60000

Hydraulic dampers

Body in aluminium
 Dimensions of the body (mm): 100 x 50 x 55
 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.
 Side M8 fixing for insertion on support brackets (sold separately)
Use: used to limit the run speed of sliding or counterweighted fire doors

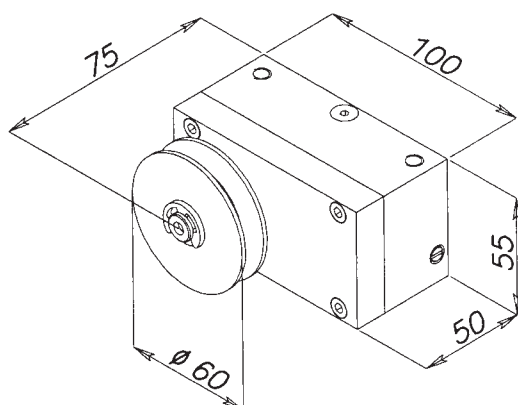
News



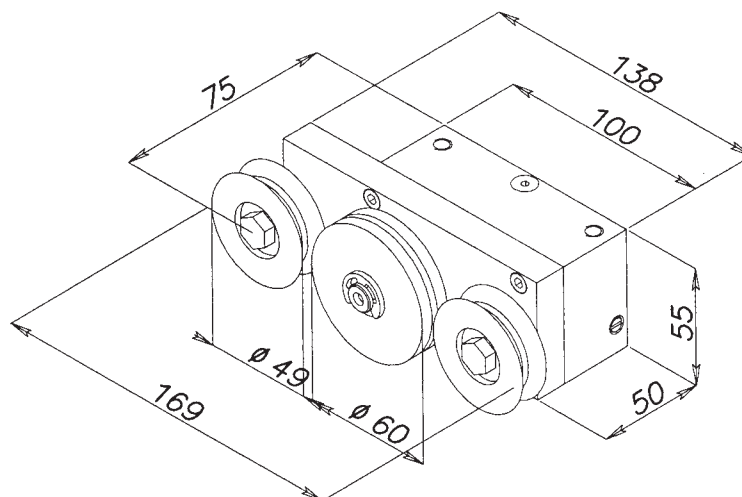
60001

3 pulley version hydraulic damper

Body in aluminium
 Dimensions of the body (mm): 138 x 50 x 55
 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.
 Side M8 fixing for insertion on support brackets (sold separately)
Use: used to limit the run speed of sliding or counterweighted fire doors



60000



60001

Art.

Euro

Single zone fire alarm panel

Box in beige ABS

Dimensions (mm): 240 x 150 x 48

Operating voltage:

1 Primary, 230 Vac 50-60Hz mains

2 Auxiliary provided by 2 12Vdc 1.1/1.3 Ah batteries (item 00112 compulsory and sold separately) See page 112

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 5 units, compulsory, sold separately and EN54-5 (heat) / EN54-7 (smoke) certified, Art. 05203 or 05204) See page 42

Remote alarm activation call point(s) line (up to 5 units, min. 2 compulsory, sold separately and EN54-11 certified Art. 05110R) See page 111

Remote manual electromagnetic release button(s) line

External alarm buzzer silencing/reactivation push button following alarm condition (Art. 05115) See pag. 37

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 42

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

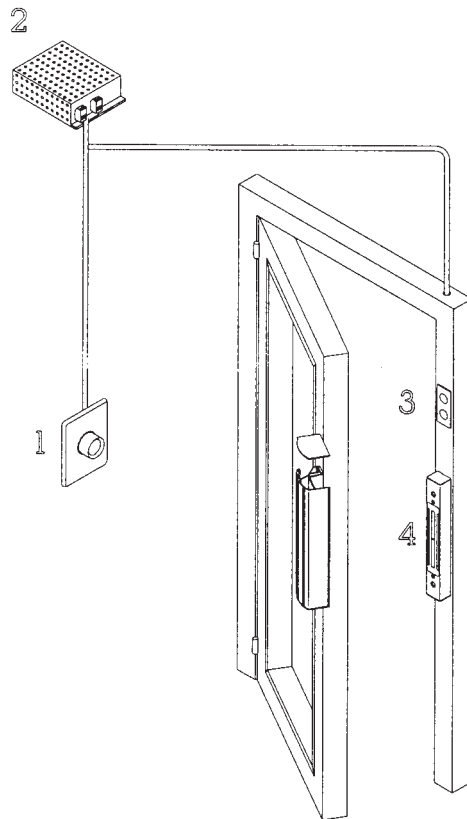
Compliance: EN54-2 (panel) and EN54-4 (power supply)

52002



	Art.		Euro
	05203	<p>Dual heat and smoke detector</p> <p>Container in white ABS Dimensions (mm): 110 diameter x 54 height Operating voltage : 24 Vdc (10,5 – 33 Vdc) Absorption in standby 67 microA @ 24Vdc/ in alarm: 45 mA Operating temperature: - 20 to + 70 °C Operational technology: optical, heat (in case of temperature rise, it growing their sensibility to detect the smoke) Supplementary detector complete with base for ceiling mount, can be connected to article 52002 Compliance: EN54-7 (smoke) Use: this dual optical and heat rate of rise detector triggers an alarm condition in case of smoke detection or heat and smoke detection</p>	
	05204	<p>Heat rate of rise detector</p> <p>Container in white colour plastic material Dimensions (mm): 110 diameter x 54 height Operating voltage : 24 Vdc (10,5 – 33 Vdc) Absorption in standby 65 microA / in alarm: 35 mA Operational technology: heat rate of rise with trigger for increases greater 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>	
	05206	<p>Test spray for smoke detectors</p> <p>Spray bottle to check correct operation of the smoke detectors Art. 05203</p>	
<p>News</p> 	05207	<p>Electronic sounder</p> <p>Container in red colour plastic material Dimensions (mm): 92.5 diameter x 94 height Operating voltage : 12 / 24 Vdc – 15 mA Sound power: Max 114 dB @ 24 Vdc IP rating: IP42 32 tones selectable by internal dip switches. Compliance: EN54-3 Use: electronic siren which can be used in conjunction with single zone panel Art. 52002</p>	

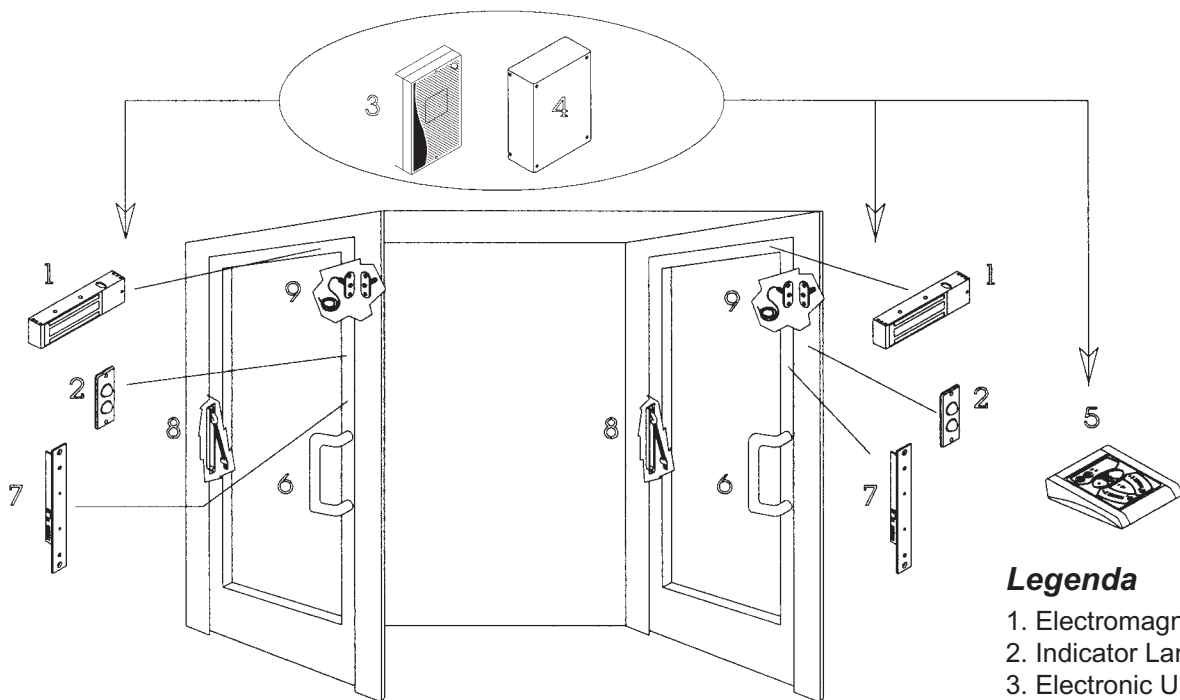
Single door equipped with electromagnet **Safety series**



Legenda

- 1. Push Button
- 2. Power supply
- 3. Indicator Lamp
- 4. Electromagnet

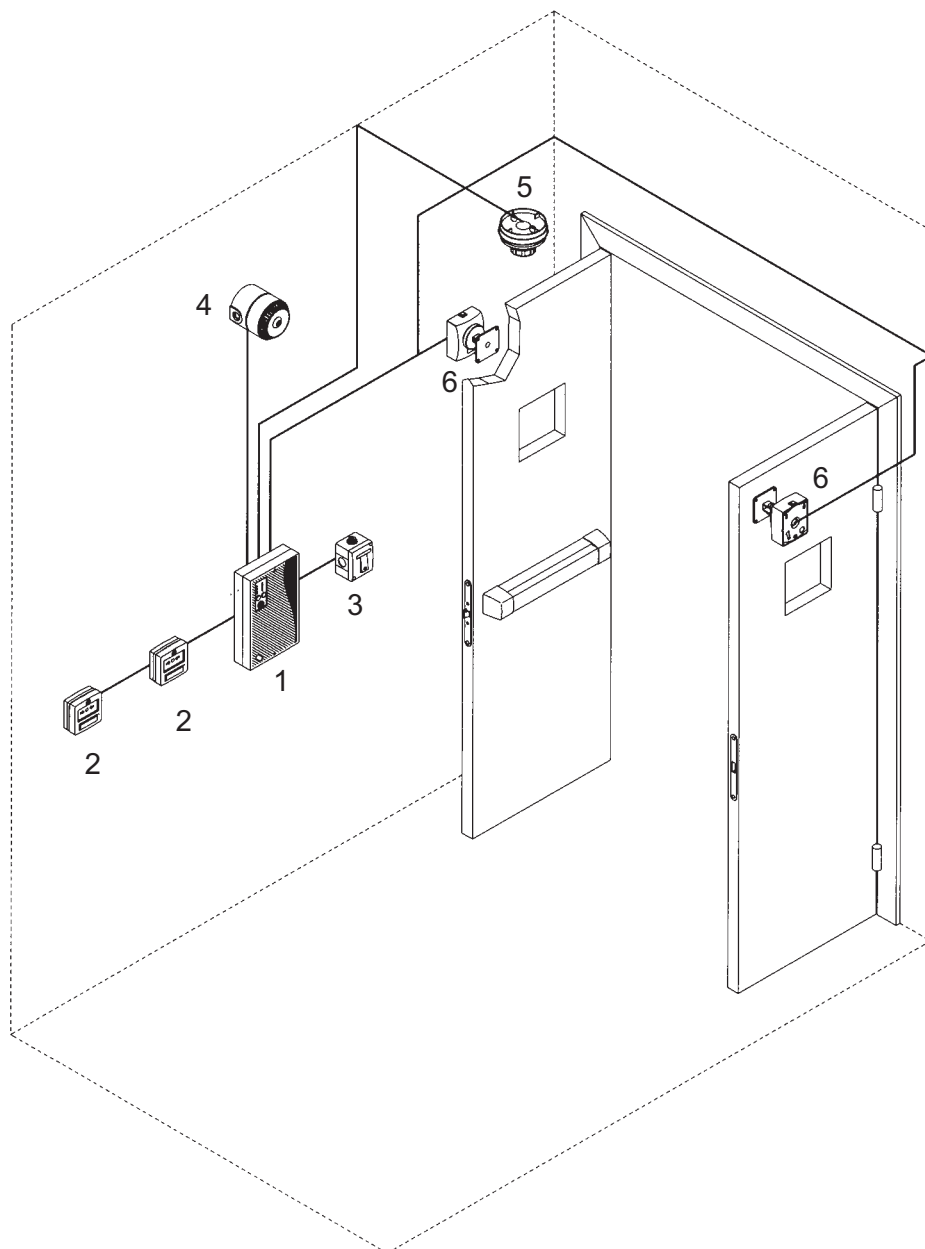
Interlocking system with electromagnets **Safety series**



Legenda

- 1. Electromagnets
- 2. Indicator Lamps
- 3. Electronic Unit
- 4. Power supply
- 5. Desktop console
- 6. Sensitive Bars
- 7. Sensitive Cards
- 8. Lead Covers
- 9. Magnetic sensors

Fire door system with single zone alarm panel

**Legenda**

1. Alarm panel
2. Call points
3. Switch off button
4. Sounder
5. Detectors
6. Magnetic door holders