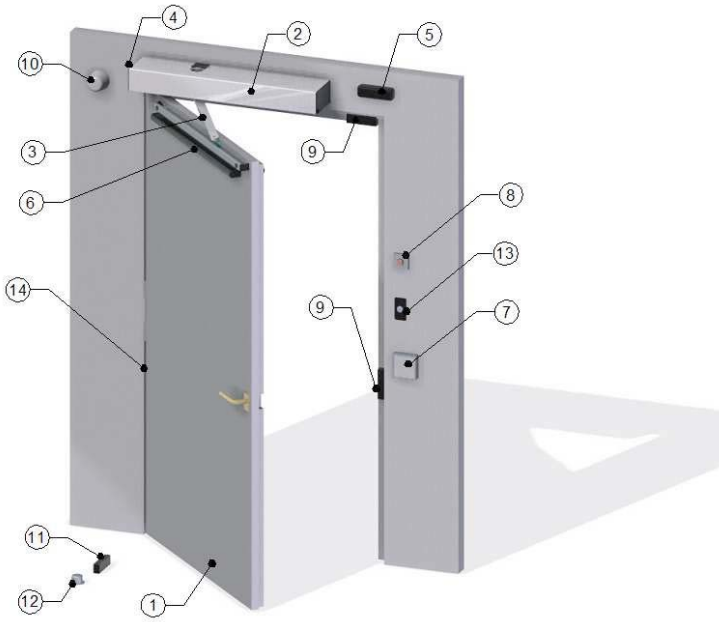
IMPORTANT NOTE

This quick guide is a summary of the complete installation guide. The full guide contains safety warnings and other explanations that must be taken into account. The most recent version of this guide and the installation manual are available at the "Downloads" section on Erreka's website: http://www.erreka.com.

The options and functions described in this guide apply for the firmware version indicated on the circuit. The firmware, as part of a process of continuous improvement, is subject to new functions or upgrades being included as a result of new versions not compatible with previous ones. For this reason, some options or functions may differ or be unavailable if your firmware is older than shown in this guide.

Elements of the complete installation



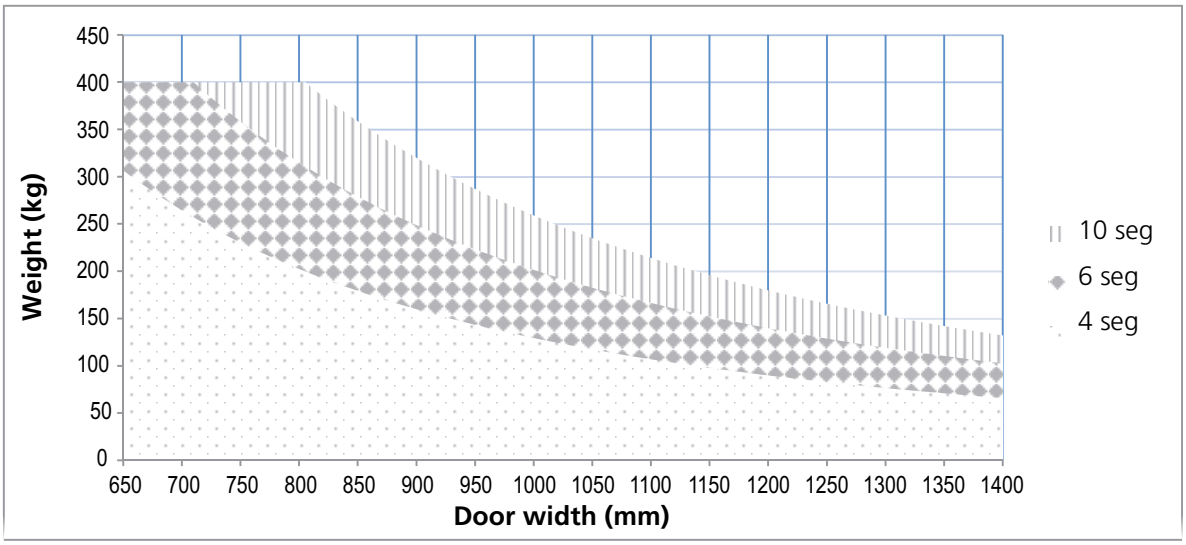
15 Door
16 Operator
17 Arm: Pull / Push
18 Side switch
19 Activation sensor
20 Safety sensor
21 Selector
22 Emergency Stop
23 Electrical lock
24 Smoke sensor (Fire door)
25 "Hold-open" retention magnets (Fire resistant door)
26 Door stopper
27 External key
28 Fingers guards

ELECTRICAL CABLES:

Element	Nº wires x section	Remarks
Main power supply	3 x 1,5mm^2	
Selector	4 x 0,5mm^2	Screened cable
Safety sensor	6 x 0,5mm^2	Screened cable
Radar	4 x 0,5mm^2	
CAN (Double swing doors)	2 x 0,5mm^2	Screened cable
Stop	2 x 0,5mm^2	
Emergency	2 x 0,5mm^2	
Electrical lock (intercom)	2 x 0,5mm^2	With test; two more wires
Electrical lock (magnetic)	2 x 0,5mm^2	With test; two more wires
Hold-open retention magnets	2 x 0,5mm^2	

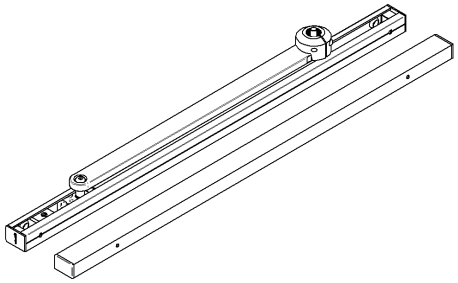
Technical characteristics of the operator PREMIS200

CHARACTERISTIC	PREMIS200	PREMIS200M
Dimensions	Operator 644x75x138 mm	
Power supply (V/Hz)	230VAC - 50/60 Hz	125VAC 50/60Hz
Power consumed (VA)	85VA	
Motor voltage (Vdc)	40V	
Max. torque (Nm)	50	
Opening angle	Adjustable from 0 -100º (with mechanical stopper)	
Network input fuse	4 A (5X20)	
Peripherals power supply (voltage)	24 Volts	
Peripherals power supply (current)	1.5 Amps	
Service temperature (ºC)	-20ºC - 50ºC	
Protection rating (IP)	IP52	

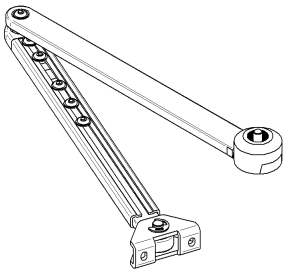


Type of arm

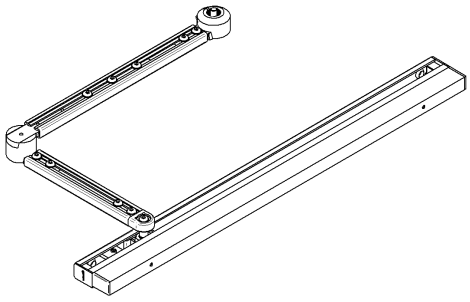
PULL SLIDE ARM - APR01



ARTICULATED PUSH ARM - APR02

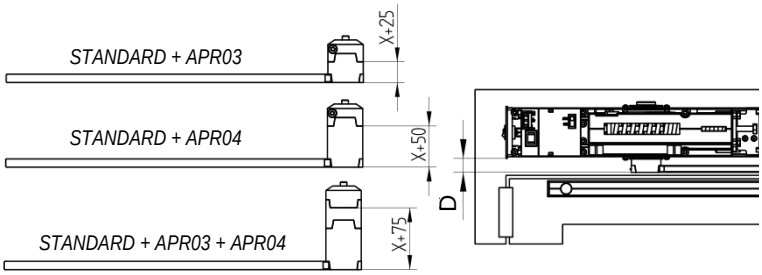


SPECIAL PULL SLIDE ARM - APR09

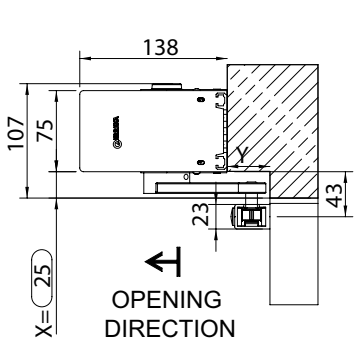


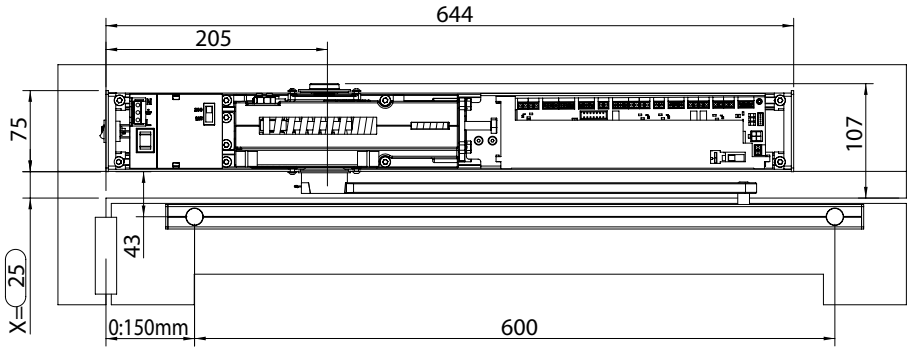
Extension pivot (APR03 / APR04)

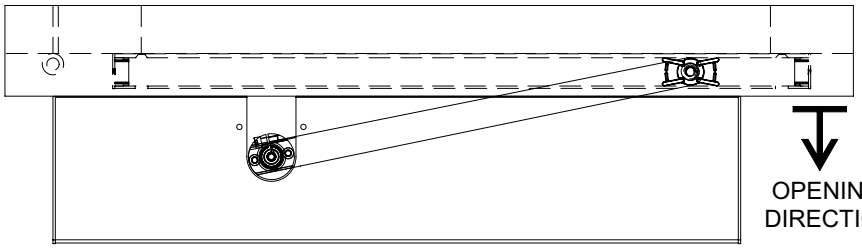
Coupling	Measurement
Standard	D = X mm
Standard + APR03	D = X + 25mm
Standard + APR04	D = X + 50mm
Standard + APR03 + APR04	D = X + 75mm



Pull slide arm (APR01) - operator on the lintel - hinges side







HEIGHT SPACE
DOOR - OPERATOR

X=25mm
(Standard)

X=50mm
(Standard+APR03)

X=75mm
(Standard+APR04)

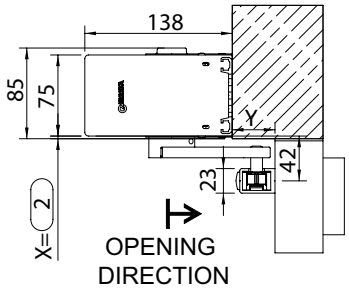
X=100mm
(Standard+APR03+APR04)

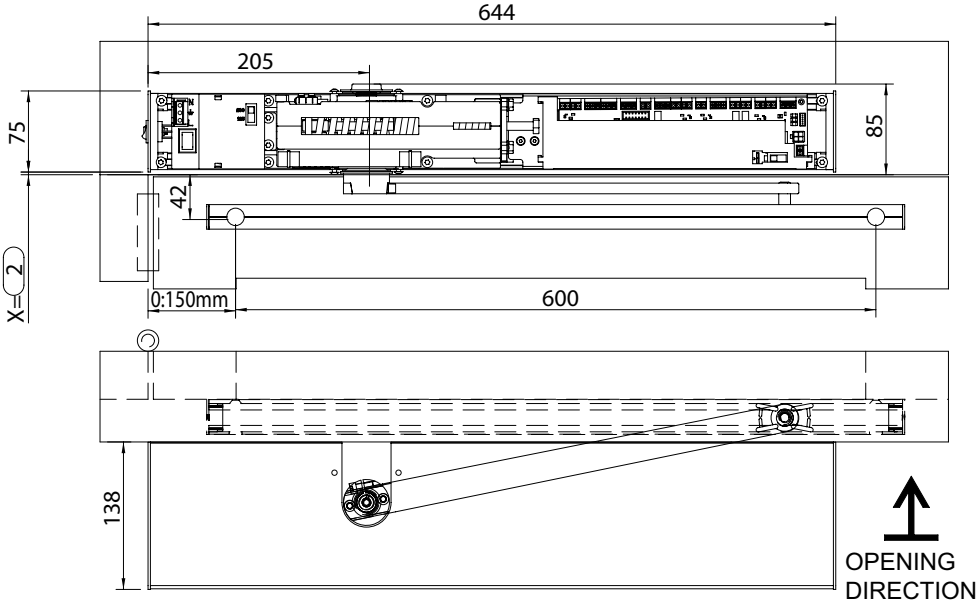
DOOR RETRACTION
DOOR - OPERATOR:

Y = 0 ÷ 100mm
(APR01)
Max. angle 100°

Y = 100 ÷ 250mm
(APR09)
Max. angle 95°

Push slide arm (APR01) - operator on the lintel - side opposite the hinges





HEIGHT SPACE
DOOR - OPERATOR

X=2mm
(Standard)

X=27mm
(Standard+APR03)

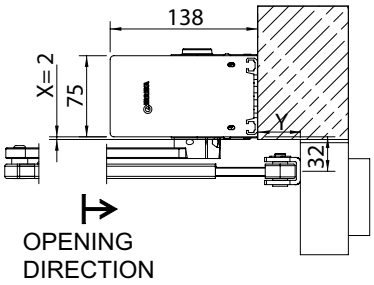
X=52mm
(Standard+APR04)

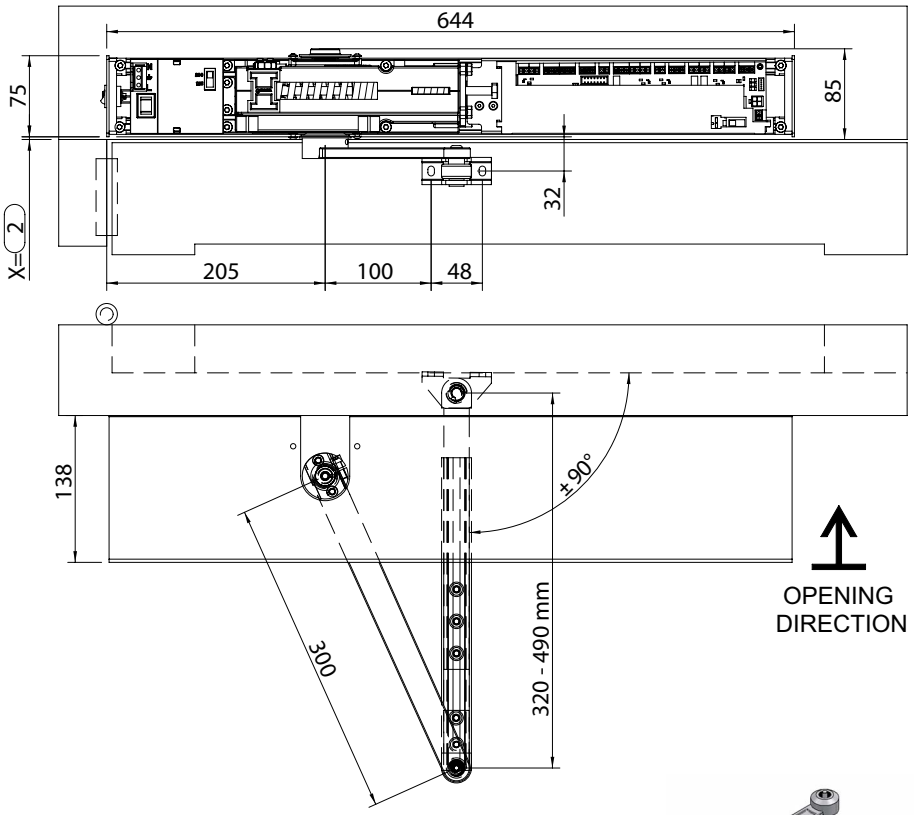
X=77mm
(Standard+APR03+APR04)

DOOR RETRACTION
DOOR - OPERATOR:

Y = 0 ÷ 90mm
(APR01)
Max. angle 100°

Push articulated arm (APR02) - operator on the lintel - side opposite the hinges





HEIGHT SPACE
DOOR - OPERATOR

X=2mm
(Standard)

X=27mm
(Standard+APR03)

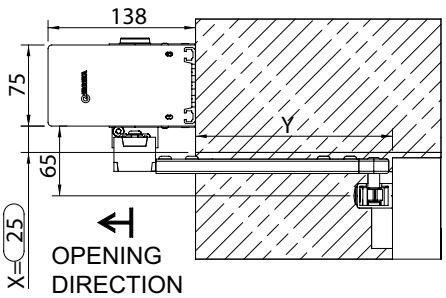
X=52mm
(Standard+APR04)

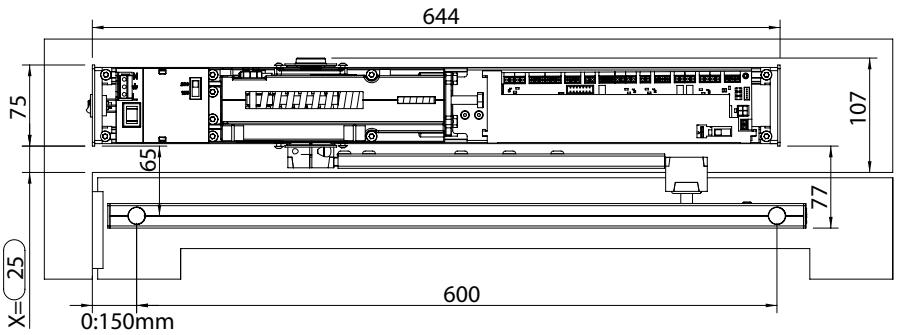
X=77mm
(Standard+APR03+APR04)

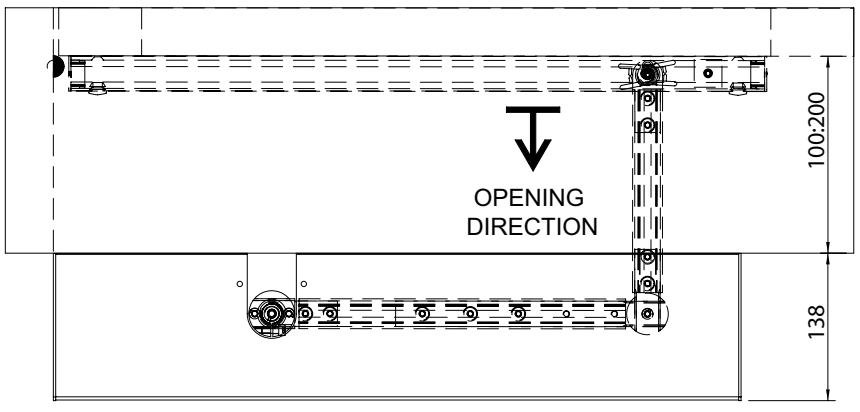
DOOR RETRACTION
DOOR - OPERATOR:

Y = 0 ÷ 210mm
(APR02)
Max. angle 100°

Special pull slide arm (APR09) - operator on the lintel - hinges side







HEIGHT SPACE
DOOR - OPERATOR

X=25mm
(Standard)

X=50mm
(Standard+APR03)

X=75mm
(Standard+APR04)

X=100mm
(Standard+APR03+APR04)

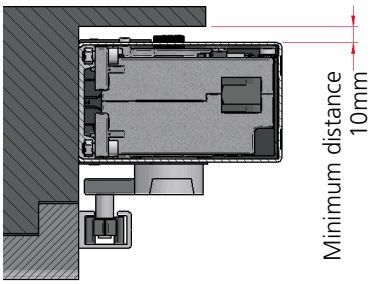
DOOR RETRACTION
DOOR - OPERATOR:

Y = 100 ÷ 250mm
(APR09)
Max. angle 95°

☞See the "Installation Guide" for other arm installation options.

Operator installation

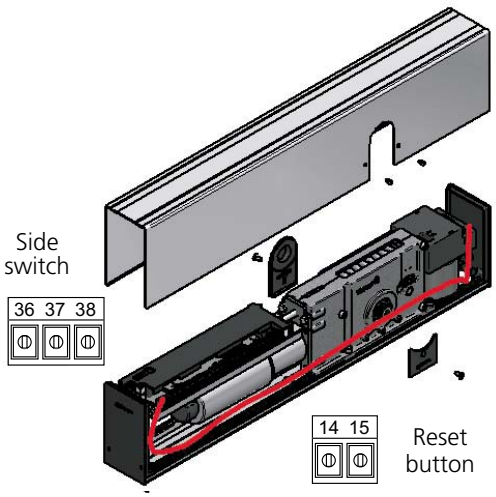
Check the installation space:

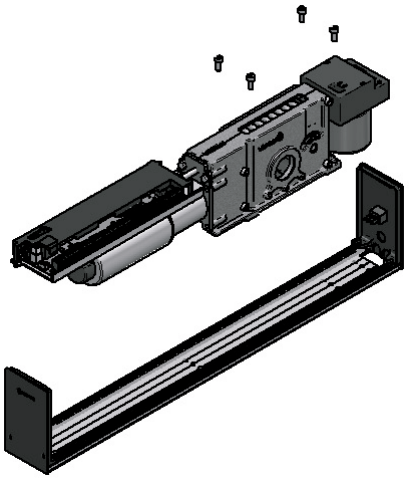


⚠ **10 mm of space from the top of the operator.**

⚠ **The operator's fastening structure must be solid and must not have significant deformation.**

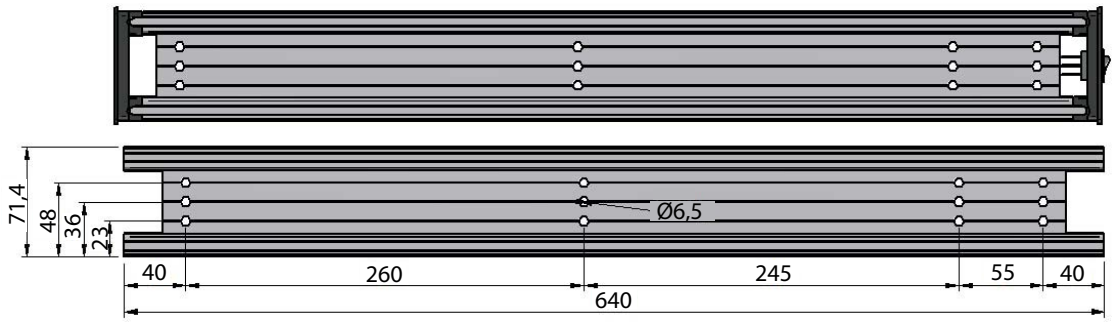
Disassemble the operator's bracket profile:



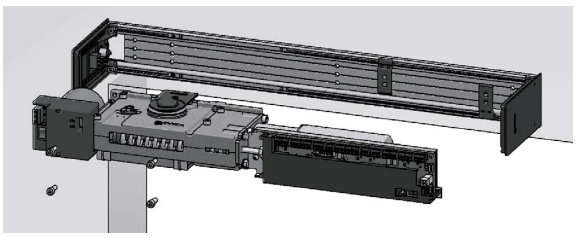


1 Remove the screws from the cover and extract it.
2 Release the electronic plate's side switch cable and side reset button cable.
3 Release the geared motor screws (4) and remove the entire body.

⚠ **Fasten the bracket to the wall with the side covers, since level X is referenced on the outside face of the cover (installation drawings).**

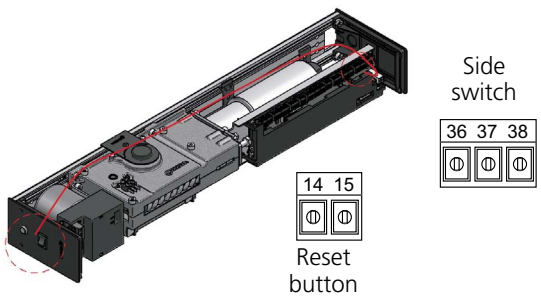


Operator assembly on bracket profile



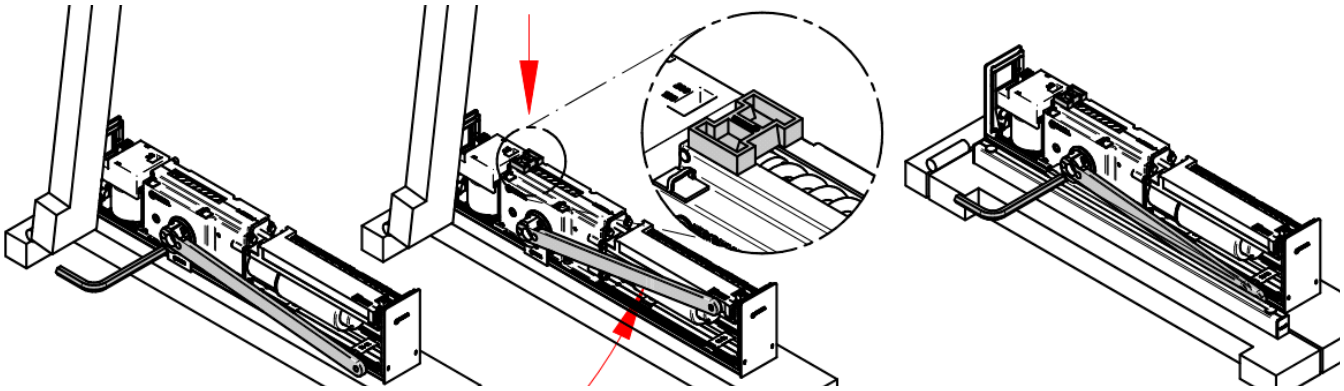
1 Fasten the geared motor to the bracket profile with the screws (4).

⚠ **Firmly secure the four screws of the geared motor.**



2 Insert the side switch and side reset button cables in the control board.

Spring pre-charging and arm installation



1 Open the door. Attach the arm to the shaft in any position.

2 Turn the arm in OPENING DIRECTION and lock the geared motor with the special locking piece supplied with the operator.

3 Release the arm. Let the door close. Re-attach the arm to the shaft in the POSITION WHERE THE END OF THE ARM COMES INTO CONTACT WITH OR IS VERY CLOSE TO THE DOOR.

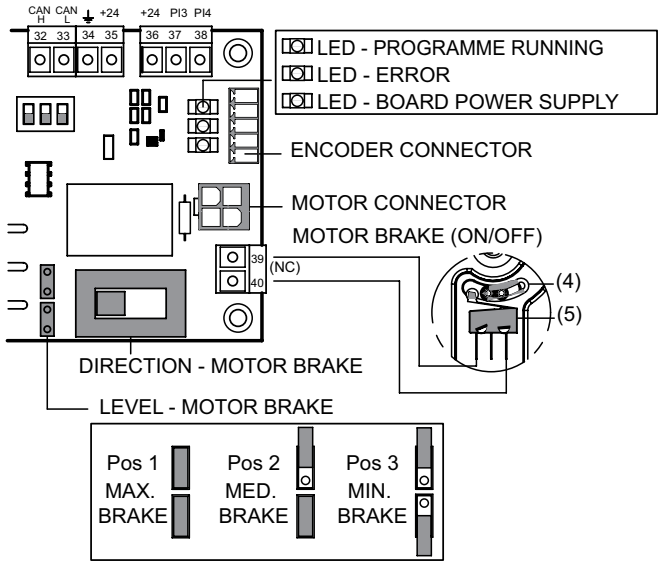
4 Turn the arm and remove the locking piece.

5 Attach the arm to the door.

ℹ The APR02 arm is mounted in the same way.

☞ See the "Installation Guide" for more details on this procedure.

Motor brake



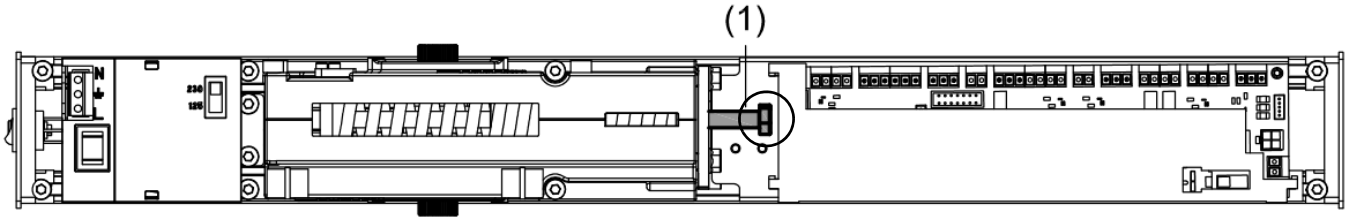
Braking direction: position the electronic plate's switch (2) so braking is in closing.

Regulating braking force: force can be regulated by positioning the electronic plate's jumpers (1) in different positions.

Remove motor brake: the cable connector (3) must be Normally Closed (NC) for the motor brake to work. The motor brake can be disabled using the operator's microswitch, and the door closes with more force. Adjust the part (4) to enable the microswitch (5).

⚠ **Test the passive brake:**
Operator without power.
Operator running: Manual mode.

Spring force



☞ Do not carry out this operation until the arm is positioned correctly. Failure to do so may damage the operator.

⚠ **Regulate closing force with the door in closed position and without power.**

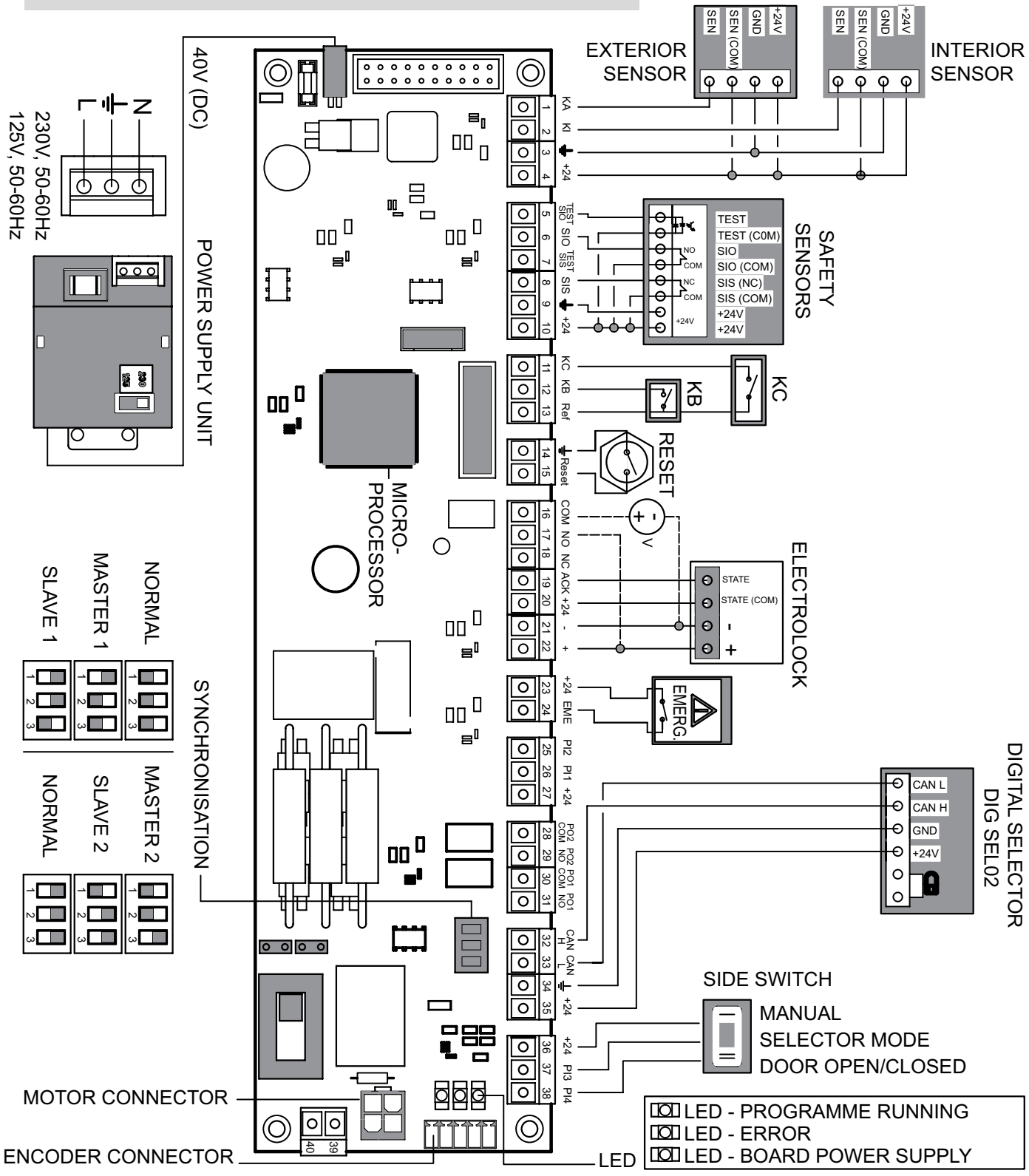
⚠ **The spring must be pre-charged in closing position. Otherwise the spring will be at rest, and spring adjustment will have no effect on closing.**

Adjust spring force as necessary.

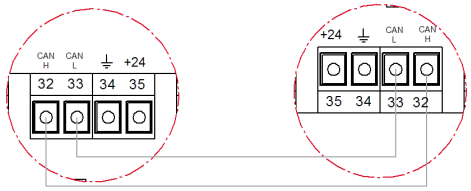
To do this, turn the screw (1) clockwise to increase closing force, or anti-clockwise to reduce closing force.

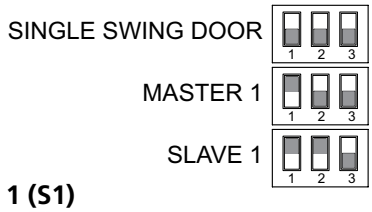
The door must be easy to open by hand, and the operator must close it fully (gently and without slamming the door).

General view of the control board

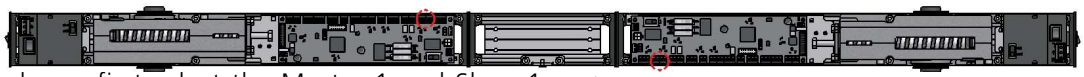


Double swing door





MASTER 1 (M1) **SLAVE 1 (S1)**



To sync the doors, first select the Master 1 and Slave 1 operators via the DIPs, and connect the operators via CAN communication.

Connect CAN H (Master 1) to CAN H (Slave 1) and CAN L (Master 1) to CAN L (Slave 1).

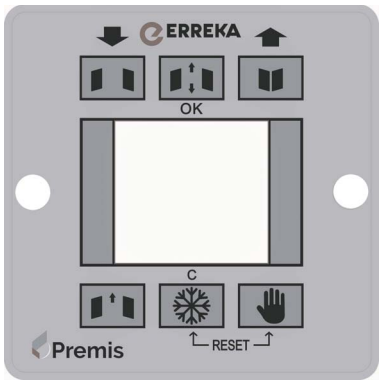
☞ **Use shielded cable for connections.**

⚠ **The activation devices must be connected to the Master 1 operator. The safety sensors must be connected to each operator (Master 1 and/or Slave 1).**

⚠ **To sync the two leaves, enable syncing in both Master 1 and Slave 1 operators. Indicate any overlap during the guided configuration.**

☞See the "Installation Guide" for other configurations (e.g. double door with interlock).

Digital selector DIG SEL02



- Door open
- Door closed
- Automatic
- One direction
- Manual mode
- Winter (Double swing doors)

⚠ **Reset: Simultaneously pressing: & for 3 sec. the door carries out an automatic reset.**

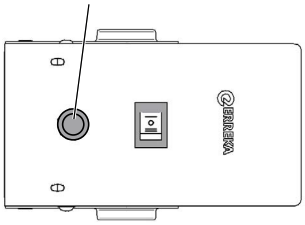
⚠ **To lock the selector, press the & keys for 3 sec.**

Repeat the sequence to unlock.

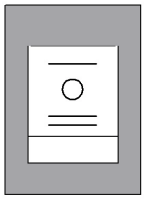
When the selector is locked, the screen shows the icon: .

Side switch and reset button

Reset button



Side switch:



Manual Mode

Automatic Mode or Selector

Programmable Mode: - Door open
- Door closed

User menu (+)

1.1.- Select Times
1.1.1.- Normal Open time (0 - 60 sec, def.: **1**)
1.1.2.- Pulse Open time (0 - 60 sec, def.: **1**)
1.1.3.- Courtesy Open time (0 - 60 sec, def.: **1**)
1.1.4.- Switch to Closed (0 - 300 sec., def.: **0**)

1.2.- Select Languages
1.2.1.- Spanish
1.2.2.- **English** (def.)
1.2.3.- French
1.2.4.- Dutch
1.2.5.- Portuguese
1.2.6.- Basque
1.2.7.- Polish

1.3.- Information
1.3.1.- General
• Commission Date
• Type of opener
• Low Energy
• Full Energy Normal
• Full Energy Firewall
• Serial nº
• Last Service Date
• Versions

1.3.- Information (cont.)
1.3.2.- Operator Info
• Number of cycles
• Commission Time
• Years
• Months
• Days
• Hours
• Minutes
• Cycles Last Service
• Last Notification code

1.4.- Door Sync Settings
1.4.1.- Select Door
• M1 (Master 1)
• S1 (Slave 1)
1.4.2.- Door Sync
• **Disabled** (def.)
• Enabled
1.4.3.- Interlock
• **Disabled** (def.)
• Enabled

1.5.- Auto Screen Off
• **Disabled** (def.)
• Enabled

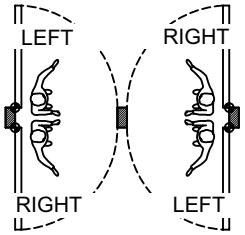
Tech. Support Menu (+ +) (I)

1.1.- Setup Menu	
1.1.1.- Door Learn Mode	
1.1.2.- Factory Reset	Restore default parameters
1.1.3- Setup Wizard	Guided door configuration

1.2.- Basic Functions	
1.2.1- Select Model	
• Low Energy	Speeds and forces limited according to Standard EN 16005
• **Full Energy**	No speed and force limitations. Safety sensors (EN 16005)
- **Standard**	Standard swing door configuration
- Fire door	Comply with fire regulations (EN 14637)
1.2.2.-Type Of Arm	Define the type of arm installed
• Articulated - Push Arm	
• **Slide - Pull Arm**	
• Slide - Push Arm	
1.2.3.- Direction Of Travel	Define the direction of travel
• **Inwards**	
• Outwards	
1.2.4.- Opener Fixed To	Define the operator's location
• **Lintel**	
• Door	
1.2.5.- Door Handling*	Define opening direction
• Right	
• **Left**	
1.2.6.- Door Details	Define weight and width (Obligatory for LOW ENERGY)
• Door Weight (kg)	50 to 250 kg, **def. 50 Kg**
• Door Width (mm)	700 to 1.400 mm, **def. 700 mm**
1.2.7.- Electric Lock	
• Type	Define if it has electro lock or not
- Electric Strike	
- Maglock	
- **Disabled**	Door with no electro lock
• Voltage	Define the power supply voltage
- **12V**	
- 24V	
• Opening Delay	0 to 10.000 msec, **def. 0 msec**
• Opening Force	0 to 5, **def. 0**
• Test	Define if the electro lock has a test signal
- NO	
- NC	
- **Disabled**	No test

Door Handling *

Door Handling is determined by standing your back to the hinges. The side to which the door normally opens (right or left) is the opening sense.



1.3.- Advanced Functions	
1.3.1.- Door Sync	
• Select Door	Define who leads the movements
- M1	Master (Leader) 1
- S1	Slave 1
• Door Sync	
- Enable	
· **Disabled**	
· Enabled	
- Sync Distance	0 to 45°, **def. 0°**
• Interlock	Define interlock operation
- Enable	
· **Disabled**	
· Enabled	
- Type	
· **Standard**	See "SAT Menu" in the "Installation Guide".
· Smart	See "SAT Menu" in the "Installation Guide".
- Interlock Time	0 to 300 seg, **def. 0 seg**
1.3.2.- Automatic Mode	Define operation in automatic mode
• Configuration	Default configuration
- **Normal Mode**	See "SAT Menu" in the "Installation Guide".
- Semi Auto Mode	See "SAT Menu" in the "Installation Guide".
- Accessible toilets	See "SAT Menu" in the "Installation Guide".
• Closing Device	
- Motor Closing	Closing with motor according to parameters configured from selector
- **Spring Closing**	Closing with spring. Engine released and with passive brake
• Push&Go mode	See "SAT Menu" in the "Installation Guide". **Def. Disabled**. Degrees: 0 to 45°, **def.: 0°**
• Push&Close mode	See "SAT Menu" in the "Installation Guide". **Def. Disabled**.
1.3.3.- Manual mode	
• **Normal mode**	
• Servo Assist mode	0 to 5, **def.: 0**
1.3.4.- Entrapment	
• Sensitivity Level	1 to 10, **def.: 5** (1 very sensitive, and 10 not very sensitive)
• Sensitivity mode	
- **Standard**	See "SAT Menu" in the "Installation Guide".
- Extra Safe	See "SAT Menu" in the "Installation Guide".
• Spring Closing	
- Enabled	
- **Disabled**	

(...)

Tech. Support Menu (+ +) (II)

1.3.5.- Inputs / Outputs	
• Input (1,2,3,4)	
- Mode	
· Exit only	**
· Partial Mode	**
· Door Open	**
· Door Closed	**
· Manual	**
· Automatic	**
· Fire door	**
· Hold Open	**
· Courtesy	**
· Stop	**
· Emergency Locking	**
· Lock Toilet	**
· Unlock Toilet	**
· **Disabled**	**
- Activation	
· NC	Normally closed
· **NO**	Normally open
• Output (1,2)	
- Mode	
· Notification	**
· Door Opened	**
· Tamper	**
· Door Closed	**
· Notification	**
· Toilet Occupied	**
· Toilet Vacant	**
· Hold open Electromagnet	**
· **Disabled**	**
- Activation	
· NC	Normally closed
· **NO**	Normally open
• Lateral Switch	Define the functions for side switch with inputs (3, 4) in disabled mode
· **Door Opened**	
· Door Closed	
1.3.6.- Configuration	"One direction"/"Emergency" configuration
• Single Direction	**
- **Exit**	
- Entry	
• Emergency	**
- Configuration	
· NO Pulse	(Reset to restore)
· NO Continuous	
· NC Pulse	(Reset to restore)
· NC Continuous	
· **Disabled**	
- Mode	Type of Action
· **Open Door**	
· Closed Door	
· Manual	

1.3.7.- Temperatures	
• Motor Temperature	-50 to 200ºC, **def. 100ºC**
• Driver Temperature	-50 to 200ºC, **def. 70ºC**
• Min. Room Temperature	-50 to 200ºC, **def. -20ºC**
• Max. Room Temperature	-50 to 200ºC, **def. 70ºC**

1.4.- Sensors

1.4.1.- Activation Device	
• Internal	
- Configuration	
· **NO**	Signal normally open
· NC	Signal normally closed
· Disabled	
- Courtesy	**
· **Disabled**	
· Enabled	
• External	
- Configuration	
· **NO**	Signal normally open
· NC	Signal normally closed
· Disabled	
- Courtesy	**
· **Disabled**	
· Enabled	
1.4.2.- Closing Safety Sensors	**
• Configuration	
- NC without test	
- NC with test	
- NO with test	
- **Disabled**	
• Spring closing	
- Disabled	
- **Enabled**	
1.4.3.- Opening Safety Sensors	**
• Configuration	
- NC without test	
- NC with test	
- NO with test	
- **Disabled**	
• Des-Activate	30 to 90º, **def.: 90º**

1.5.- Movements Parameters

1.5.1.- Closing	
• Speed	5 to 10 sec, **def.: 7 sec**
• Courtesy Speed	6 to 10 sec. **def.: 10 sec**
• Slow Movement Speed	1 to 5, **def.: 3**; door speed in anti-crushing movement.
• Acceleration	0 to 5, **def.: 1**
• Approach Position	5 to 30º, **def.: 5º**
• Approach Speed	1 to 5, **def.: 2**

(...)

****:** See "SAT Menu" in the "Installation Guide".

Tech. Support Menu (+ +) (III)

1.5.- Movements Parameters (cont.)	
1.5.2.- Opening	
• Speed	3 to 10 sec, **def.: 5 sec**
• Courtesy Speed	6 to 10 sec, **def.:7 sec**
• Slow Movement Speed	1 to 5, **def.: 3**; door speed in anti-crushing movement.
• Acceleration	0 to 5, **def,: 3**
• Approach Position	70 to 85°, **def.: 80°**
• Approach Speed	1 to 5, **def.: 3**
• Reverse Movement	
- Fast Rev. Position	10 to 45°, **def.: 30°**
- Slow Rev. Position	60 to 80°, **def.: 70°**
1.5.3.- Power	
• Closed Door	0 to 10, **def.: 0**
• Spring Assistance	0 to 10, **def.: 2**
• Spring Assist. Pos.	0° to 45°, **def.: 10°**
• Final Push	0 to 10, **def.: 1**
• Push Release Door	0 to 5, **def.: 0 (Off)**
• Start spring closing	0 to 5, **def.: 0**
1.5.4.- Select times	
• Opened In Normal	0 to 60 sec, **def.: 1 sec**
• Opened In Pulse	0 to 60 sec, **def.: 1 sec**
• Opened In Courtesy	0 to 60 sec, **def.: 1 sec**
• Change To Closed	0 to 300 sec, **def.: 0 sec**

1.6.- Installation Information
1.6.1.- Service Information
1.6.2.- Installation ID
1.6.3.- Commissioning Date
1.6.4.- Last Notification Code
1.6.5.- Last Service Date
1.6.6.- Sensor Status
• In Activation
• Ext Activation
• Closing Safety Sen
• Openig Safety Sen
• KB
• KC
• Electric Strike

1.7.- Service
1.7.1.- Next Service
1.7.2.- Auto Check

1.8.- Access Code Configuration
1.8.1.- Change Code
1.8.2.- Reset Code
1.8.3.- Code Activation
• **Disabled**
• Enabled

Warnings / Errors (I)

Type	Description	Possible cause	Possible solution
Warning 2	Encoder failure	The motor may be locked or the encoder wire damaged	Analyse if the motor is locked. If the motor is free, change the encoder wire.
Warning 3	Electrolock failure	The electrolock could not be released	Check if the electrolock could be released manually. If it works properly mechanically, check the configuration of the test and the test itself.
Warning 4	Flash memory failure	The flash memory is damaged or it is out of date	Make a default parameters, if the warning continues, contact with the technical support, a replacement of the electronic board could be necessary.
Warning 5	Motor driver temperature	The motor control transistors are overheated	The door will open until the temperature of the driver drops. Then it will return to a normal operation. A reset could be done for a quick recovery.
Warning 6	Overcurrent in the motor	There is an overcurrent in the motor input	Check if the motor is locked. If the motor is free, make a reset. After a reset, if the warning continues, contact with the technical support, a replacement of the board or the motor could be necessary.
Warning 7	Motor temperature	The motor is overheated	The door will stop until the temperature of the motor drops. Then it will return to a normal operation. A reset could be done for a quick recovery.
Warning 8	Closing safety sensor enabled	Obstacle in the photocell detection area	Check the proper operating of the photocell, if it works properly, remove the obstacle. A reset could be done for a quick recovery.
Warning 9 (*)	Remote safety closing enabled	Obstacle in the remote photocell detection area	Check the proper operating of the photocell, if it works properly, remove the obstacle. A reset could be done for a quick recovery.
Warning 10	Interior radar enabled	Obstacle in the radar detection area	Check the proper operating of the radar, if it works properly, remove the obstacle. A reset could be done for a quick recovery.
Warning 11	Exterior radar enabled	Obstacle in the radar detection area	Check the proper operating of the radar, if it works properly, remove the obstacle. A reset could be done for a quick recovery.
Warning 12	Safety opening sensor enabled	Obstacle in the safety sensor detection area	Check the proper operating of the sensor, if it works properly, remove the obstacle. A reset could be done for a quick recovery.

(*) These errors are only available when two boards are communicated by CAN protocol. (...)

Warnings / Errors (II)

Type	Description	Possible cause	Possible solution
Warning 13 (*)	Remote safety openingsensor enabled	Obstacle in the safety sensor detection area	Check the proper operating of the sensor, if it works properly, remove the obstacle. A reset could be done for a quick recovery.
Warning 14	Internal power source failure	One of the voltages inside the board is out of range	Make a reset to recover the proper functionality. If the warning persists contact with the technical support, a replacement of the electronic board could be necessary.
Warning 15	Motor voltage failure	The output voltage of the motor is out of range	Make a reset to recover the proper functionality. If the warning persists contact with the technical support, a replacement of the electronic board could be necessary.
Warning 17	Main voltage failure	Input current wrong or power fuse failed	Check if the power input is suitable. If it is correct check the power fuse. If both works properly, contact with the technical support, a replacement of the electronic board or power supply could be necessary.
Warning 18	System voltage failure	The voltage of the system is out of range	Make a reset to recover the proper functionality. If the warning persists contact with the technical support, a replacement of the electronic board could be necessary.
Warning 19	Room temperature	The working temperature is too high	The door will automatically go to door open until the temperature drops below the temperature set the maximum temperature could be verify with the digital selector and the range is also able to modify with the digital selector.
Warning 20	Anti-crush	An entrapment occurs	Remove the obstacle or check if there is a friction in the movement of the door.
Warning 23	Emergency	The emergency signal is enabled	Depends on the configuration of the signal, the warning will be disappear automatically when the signal turns off or doing a reset would be necessary to remove the warning.
Warning 24	Continuous anti-crush	Three entrapment occur	Remove the obstacle or check if there is a friction in the movement of the door. A reset would be necessary to recover the proper functionality.
Warning 25	Photocell test failure	Photocell damaged	Check if the photocell configuration coincides with its configuration in the digital selector. If it is correct, contact with the technical support, a replacement of the photocell could be necessary. Temporally, a configuration normally closed without test could be used.
Warning 26 (*)	Remote photocell test failure	Photocell damaged	Check if the photocell configuration coincides with its configuration in the digital selector. If it is correct, contact with the technical support, a replacement of the photocell could be necessary. Temporally, a configuration normally closed without test could be used.
Warning 27	Safety sensor test failure	Safety sensor damaged	Check if the sensor configuration coincides with its configuration in the digital selector. If it is correct, contact with the technical support, a replacement of the sensor could be necessary. Temporally, a configuration normally closed without test could be used.
Warning 28 (*)	Remote safety sensor test failure	Safety sensor damaged	Check if the sensor configuration coincides with its configuration in the digital selector. If it is correct, contact with the technical support, a replacement of the sensor could be necessary. Temporally, a configuration normally closed without test could be used.
Warning 29 (*)	Warning on the other door operator (M1 or S1)	If the display shows M1 at the bottom, it means there is a warning in S1 (or vice versa)	Go to the "Select Door" menu and switch from M1 to S1 (or vice versa) to check the error in the other door operator
Warning 30	Motor or brake activation failure	Electronic board damaged or motor unplugged	Check if the motor is plugged, then make a reset to repeat the test. If the warning persists contact with the technical support, a replacement of the electronic board or motor could be necessary.
Warning 31	Relay K2 fail	The relay is damaged	Switch off and switch on the electronical board and check if the relay can commute.
Warning 32	Relay K3 fail	The relay is damaged	Switch off and switch on the electronical board and check if the relay can commute.
Warning 34 (*)	Failure in communication	There is a communication error between two operators	Check if the communication wire is installed correctly. Make a reset to recover the proper functionality. If the warning persists check the configuration of the boards.
Warning 35	Incomplete reset	The opener cannot make a reset	Check if the door is blocked with an obstacule or if there is a friction in the movement of the door and try to make a reset again. The door must try to make a reset three times.
Warning 36	Electrolock release failure	The electrolock is blocked	Adjust the electrolock mechanically. Configure the help parameters for electrolocks: "Delay time" and "Reverse force".
Warning 37	Safety sensor auto-configuration incorrect	Auto-configured position does not match in the different movements	Check the configured disable position in the “Opening safety sensors (SIO)” menu. The warning disappears once validated by pressing OK in this menu.

(*) These errors are only available when two boards are communicated by CAN protocol.