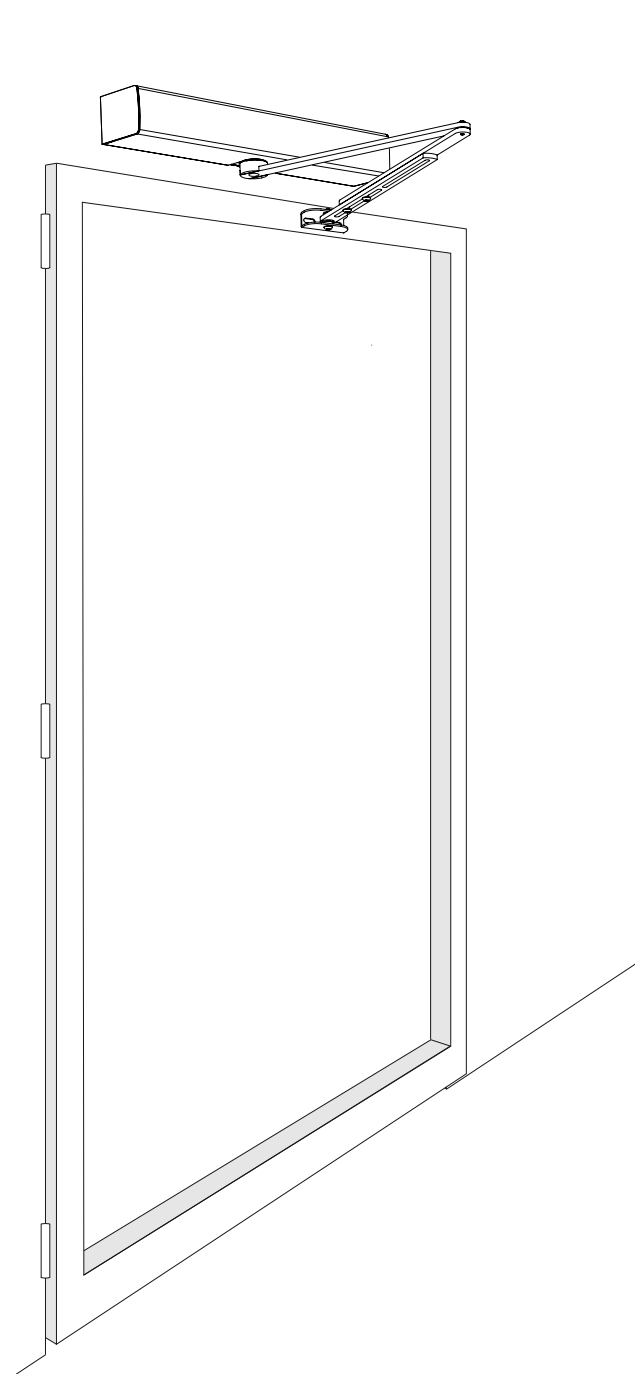


ARIA SLIM

Installation and maintenance manual for swing doors



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Dear Client, thank you for choosing us. You are reminded to read the following installation and use instructions for automation carefully, to obtain the best performance. We also remind you that assembly of this product must only be carried out by professionals.

Before starting installation or activating an automatic wicket, an inspection must be carried out on site by professionally competent staff, to take the measures of the wall compartment, the fixture and the automation.

This inspection is necessary to assess the risks and to choose and apply the most appropriate solutions based on the type of pedestrian traffic (heavy, limited, one-directional, two-directional, etc.), the type of users (elderly, disabled, children, etc.) and the presence of potential hazards or particular local situations.

1.1 GENERAL SAFETY WARNINGS

This assembly, installation and maintenance manual is exclusively for professionally competent staff. Read the instructions carefully before starting to install the product.

Wrong installation can be a source of danger. The packaging materials (plastic, polystyrene, etc.) should not be disposed of in the environment and must not be left within children's reach since they are potential sources of danger. Before starting installation, check the product is intact. Do not install the product in an explosive environment and atmosphere: the presence of flammable gas or fumes poses a serious danger for health.

Before installing the automation, make all the structural changes relating to implementation of precautions for safety and protection or segregation of all the crushing, shearing, transfer and danger zones in general.

Check the existing structure has the necessary robustness and stability requirements. MYONE S.r.l. cannot be held responsible for any non-compliance with good practice in the construction of fixtures to automate, as well as deformations which occur during use. The safety devices (presence sensors, photocells, etc.) must be installed while taking into consideration: the standards and directives in force, good practice techniques, the installation environment, the operating logic of the system and the forces developed by the automatic wicket.

Apply the signs planned by the standards in force to identify the danger zones. Each installation must have visible indication of the identification data of the automatic wicket gate.

1.2 CE MARKING AND EUROPEAN DIRECTIVES



MYONE automations for pedestrian leaf doors are designed and built in compliance with the safety requirements of the European standard EN 16005 and are equipped with CE marking in compliance with the Electromagnetic Compatibility Directive (2014/30/EU). MYONE automations are equipped with a Declaration of Incorporation for the Machinery Directive (2006/42/EC).

Pursuant to the Machinery Directive (2006/42/EC) the installation technician implementing the automatic wicket has the same obligations as the manufacturer of the machine and, as such, must:

- prepare the technical file which must contain the documents indicated in Annex V of the Machinery Directive;
(The technical file must be kept and maintained available to the competent national authorities for at least ten years starting from the date of automatic wicket manufacture);
- draft the EC Declaration of Conformity according to Annex II-A of the Machinery Directive and deliver it to the client;
- affix the CE marking on the automatic wicket pursuant to point 1.7.3 of Annex I of the Machinery Directive.

The data outlined in this manual were drafted and checked with utmost attention. However, MYONE S.r.l. cannot be held in any way liable for possible errors, omissions or approximations due to technical or graphical requirements. MYONE S.r.l. reserves the right to make changes to improve products. For this reason, the illustrations and information that appear in this document should be considered non-binding.

This edition of the manual deletes and replaces previous ones. If changes are made, a new edition will be issued.

Complying with the working temperature range declared in the technical data would allow you to obtain the use frequency value in the table.

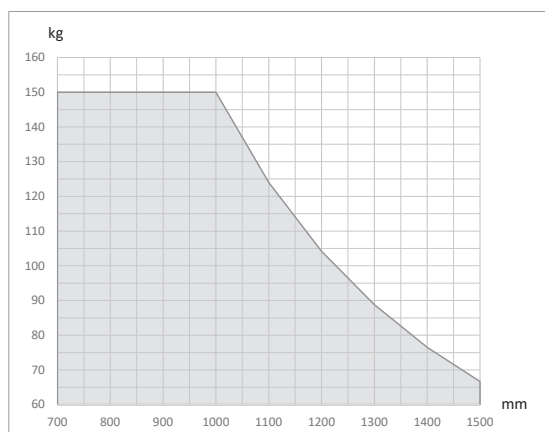
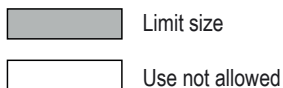
The data are detected in the standard use conditions and cannot be guaranteed for each individual case.

Each automatic input has variable elements, such as: friction, balancing, environmental conditions which can substantially change both the working duration and quality of the automatic input or part of its components.

The installation technician is responsible for implementing the adequate safety coefficients for each particular situation.

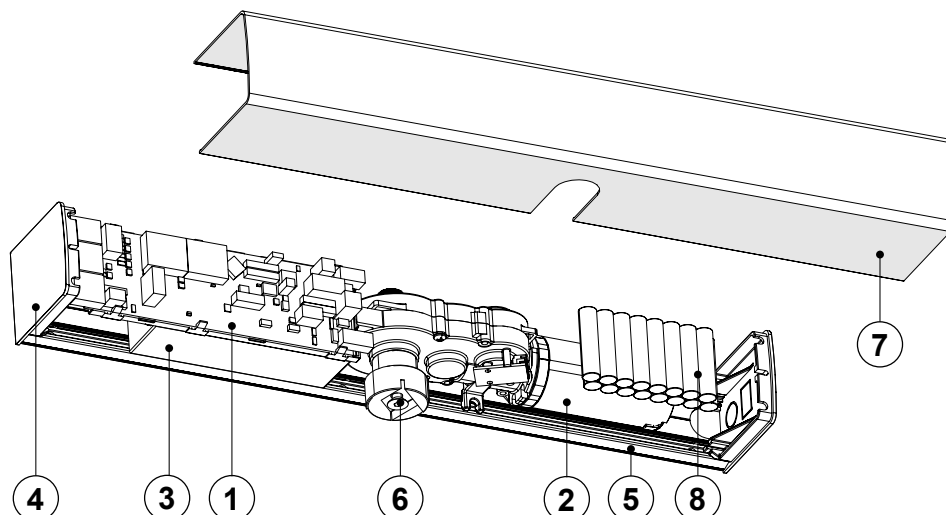
Technical data	ARIA SLIM
Model	Automatic swing door for pedestrian passages
Power Supply	full range 100-240 Vac 50/60 Hz
Device class	class II
Operating type	motor opening / motor closure
Opening time	3÷8 s / 90°
Closure time	4÷10 s / 90°
Maximum torque	30 Nm
Stand-by absorption	<0.8 W
Max. consumption	50 W
Accessories power supply	24 Vdc 0.5 A max
Working temperature	 -15 °C  +50 °C
Protection	IP 30
Type and frequency of use	Continuous operation = 100%
Weight	1.9 kg
Emission sound pressure level	Lpa ≤ 70 dB(A)

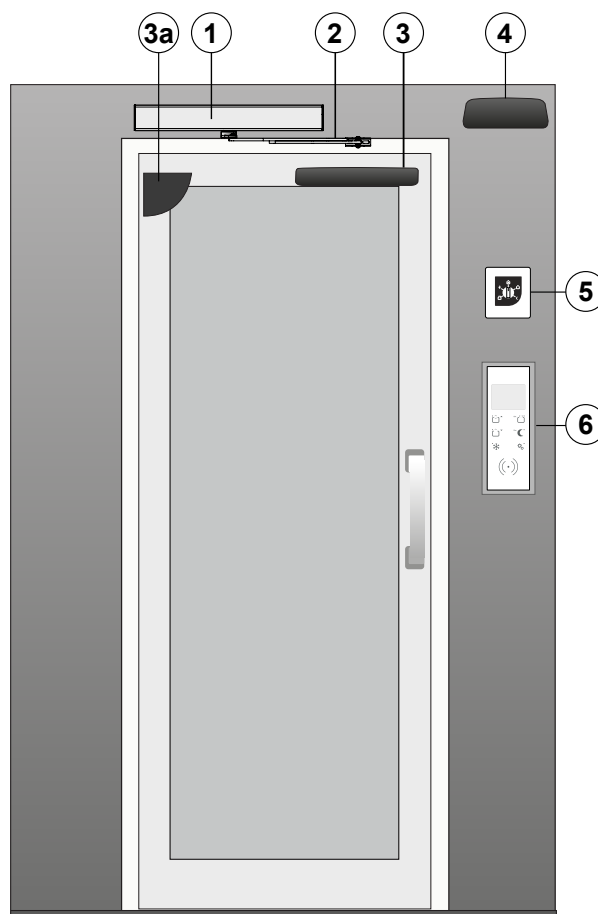
2.1 INSTRUCTIONS FOR USE



2.2 IDENTIFICATION OF PARTS

1. Command control unit CP.ARIA SLIM
2. Gearmotor 24Vdc with encoder
3. Supply unit
4. Side head
5. Aluminium frame
6. Arm coupling bushing
7. Oxidised aluminium casing
8. Emergency battery KIT (OPTIONAL)





Ref.	Code	Description
1	ARIA SLIM	ARIA SLIM automation for swing doors
2	01FE0062	Sliding arm to pull
	01FE0063	Sliding arm to push
	01FE0064	Articulated arm
3	31RS0001	Safety sensor
	31RS0002	
	31RS0005	
	31RS0009	
	31RS0010	
	31RS0011	
	31RS0012	
	31RS0013	
	31RS0014	
3a	31RS0006	Safety sensor
	31RS0007	
	31RS0008	
4	31RM0002	Opening sensor
	31RM0003	
	31RM0004	
5	31SR0011	Rotary selector for swing via external cable
	31SR0012	Rotary selector for swing door via external cable with key
6	AQA S	Electronic selector/programmer for swing door via CAN BUS

N.B. The components and codes installed are those most used on automatic sliding door systems. However, the complete range of devices and accessories is available on the sales pricelist.

For system installation, use accessories and safety devices approved by MYONE S.r.l.

- 1 - Check the wall is straight and smooth.
- 2 - Drill, using the template provided, or in any case, respecting the measurements indicated in Fig. A.
- 3 - Insert the plugs or thread, depending on the material of the wall.
- 4 - In a stable manner, fasten the automation to the wall tightening the M8 screws (No. 6 screws with max. head $\varnothing$ 12 mm).

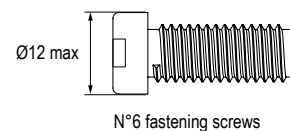
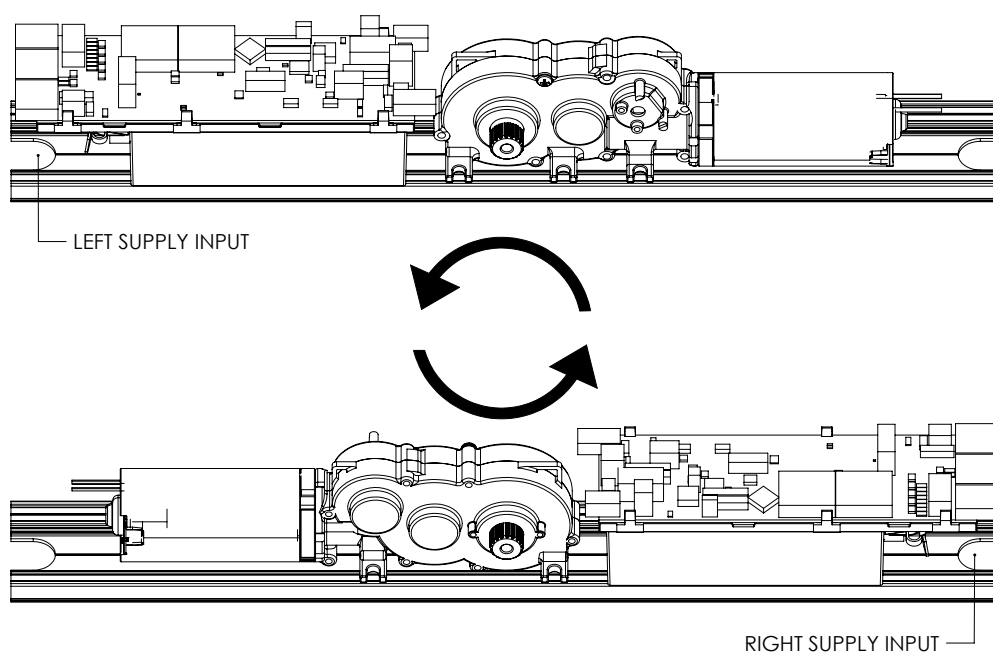
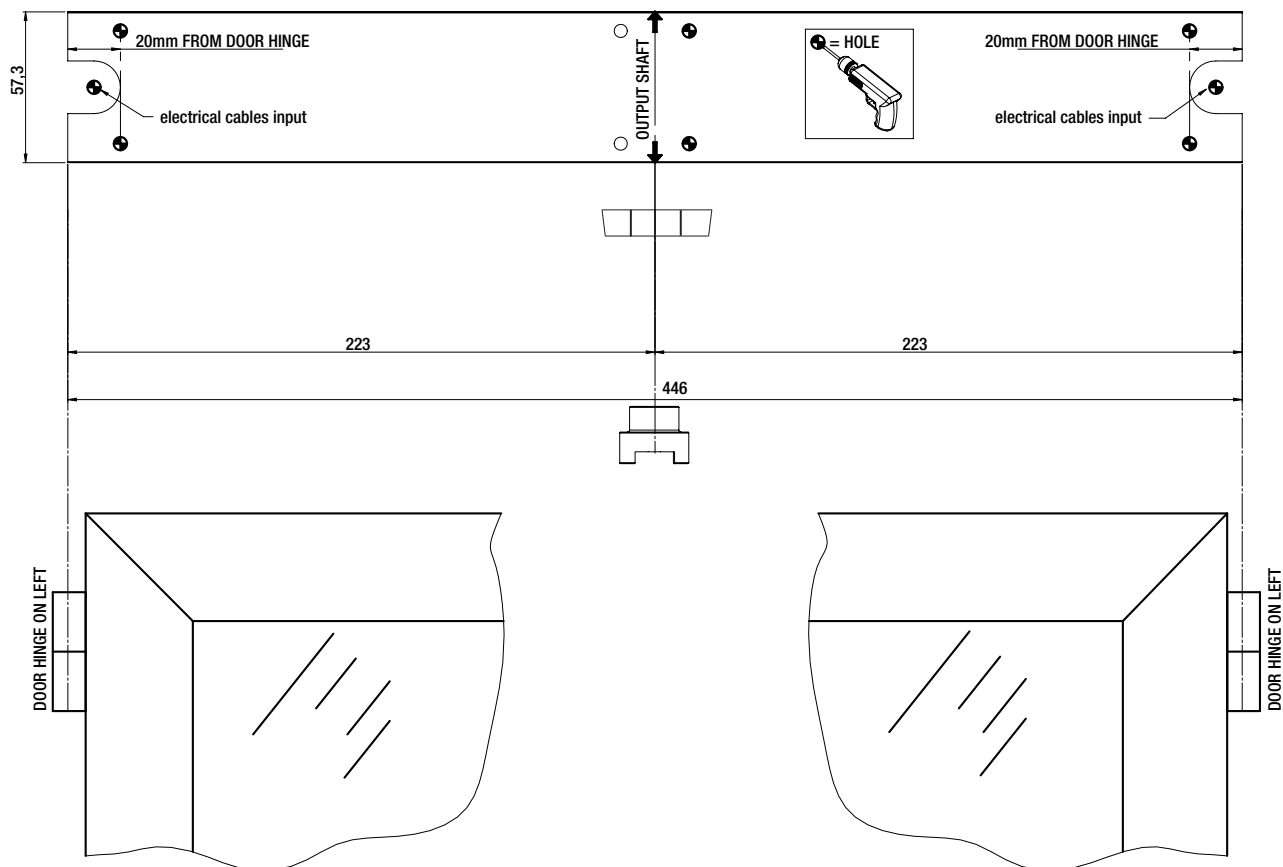


Fig. A

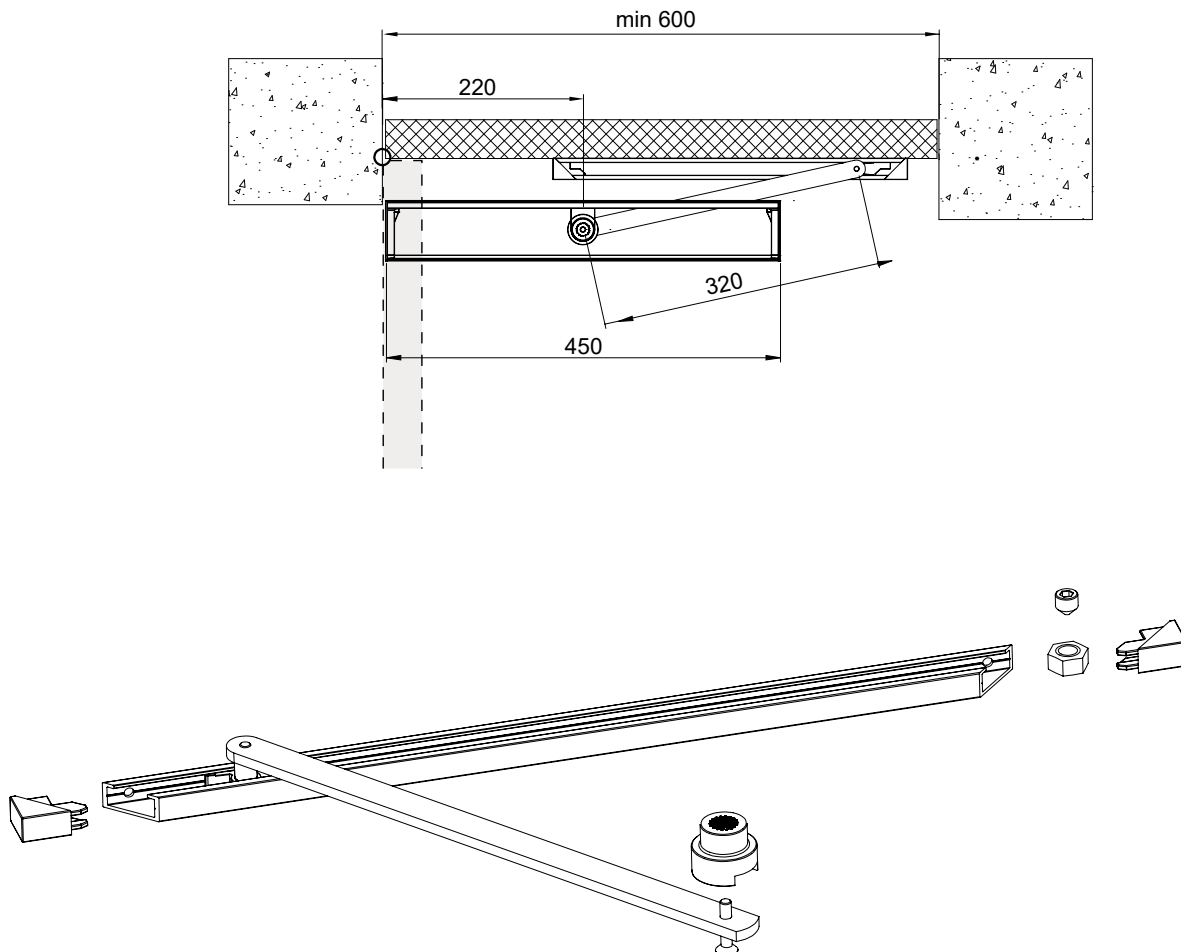
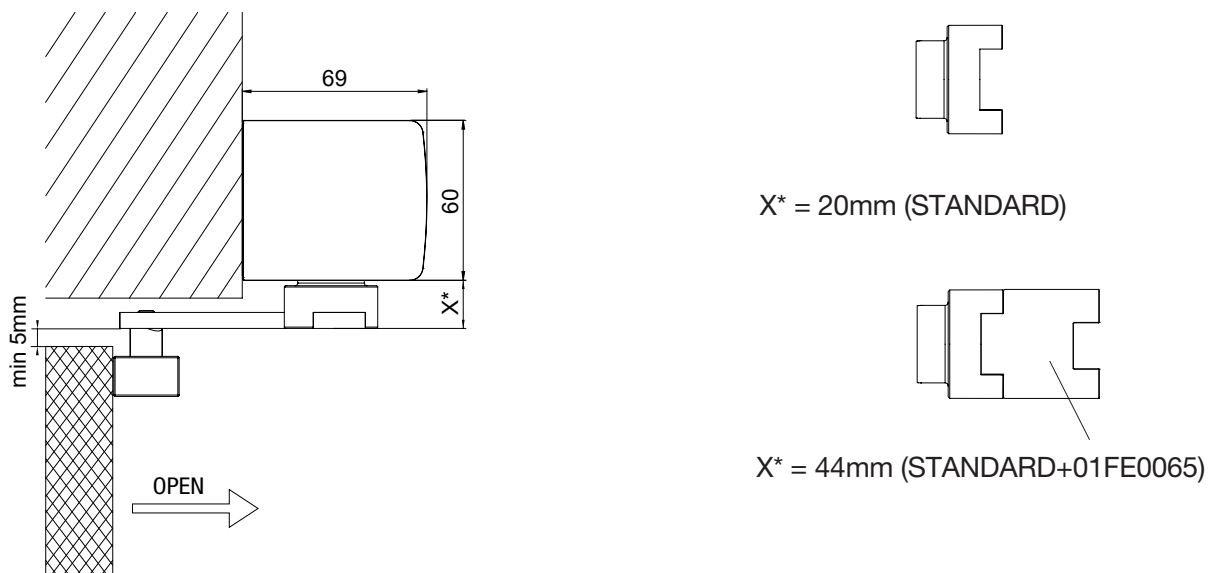


5.1 MOUNTING ARIA SLIM WITH SLIDING ARM TO PULL (01FE0062)

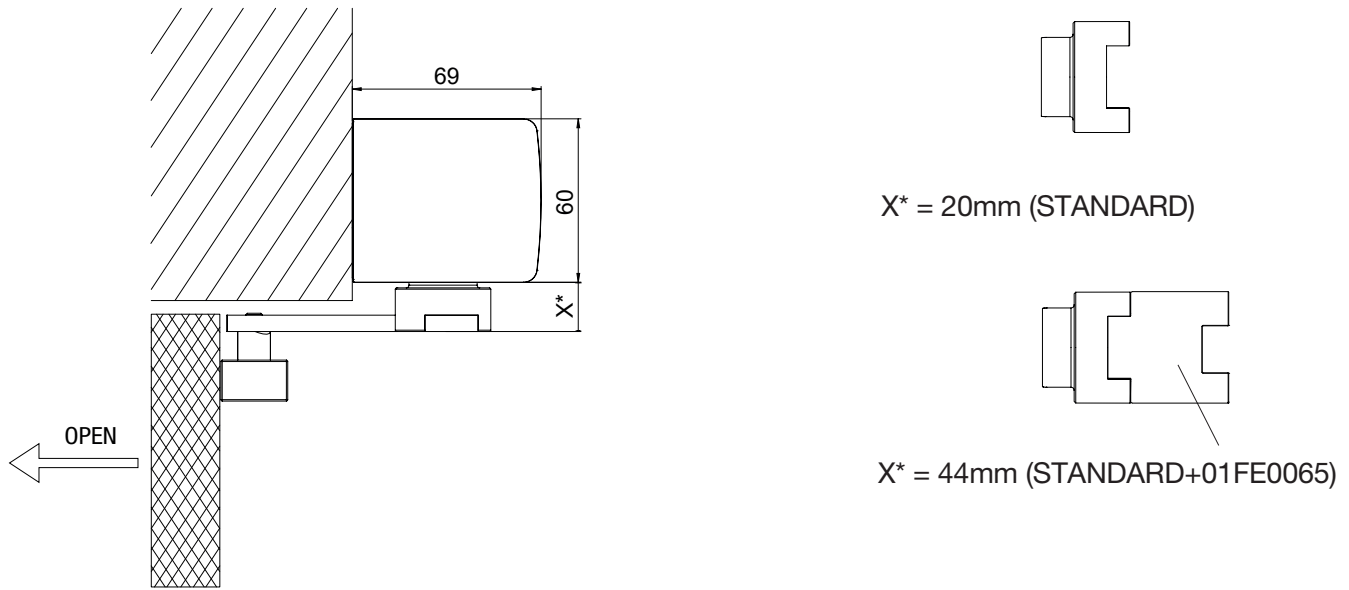
If necessary, use the extension 01FE0065 to increase the distance between the automation and the guide.

Fasten the sliding guide on the leaf as indicated in the figures, respecting the measurements indicated and cutting the excess part of the guide if the leaf is narrow.

Adjust the opening end stop inside the guide, as indicated in the figure.



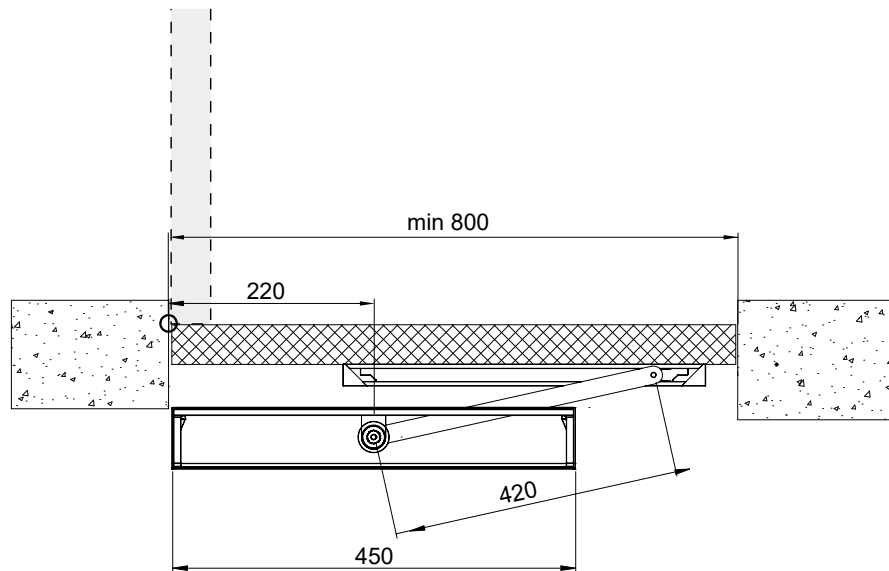
6.1 MOUNTING ARIA SLIM WITH SLIDING ARM TO PUSH (01FE0063)



If necessary, use the extension 01FE0065 to increase the distance between the automation and the guide.

Fasten the sliding guide on the leaf as indicated in the figures, respecting the measurements indicated and cutting the excess part of the guide if the leaf is narrow.

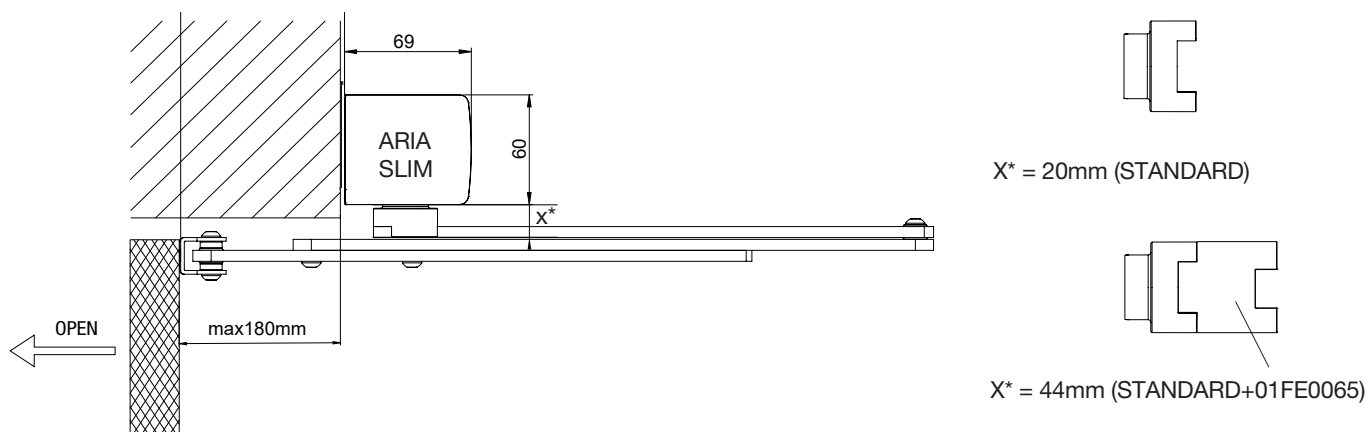
Adjust the opening end stop inside the guide, as indicated in the figure.



Manually move the opening and closing leaf checking there is no friction.

The maximum opening angle depends on the thickness of the wall:

7.1 MOUNTING ARIA SLIM WITH ARTICULATED ARM (01FE0064)



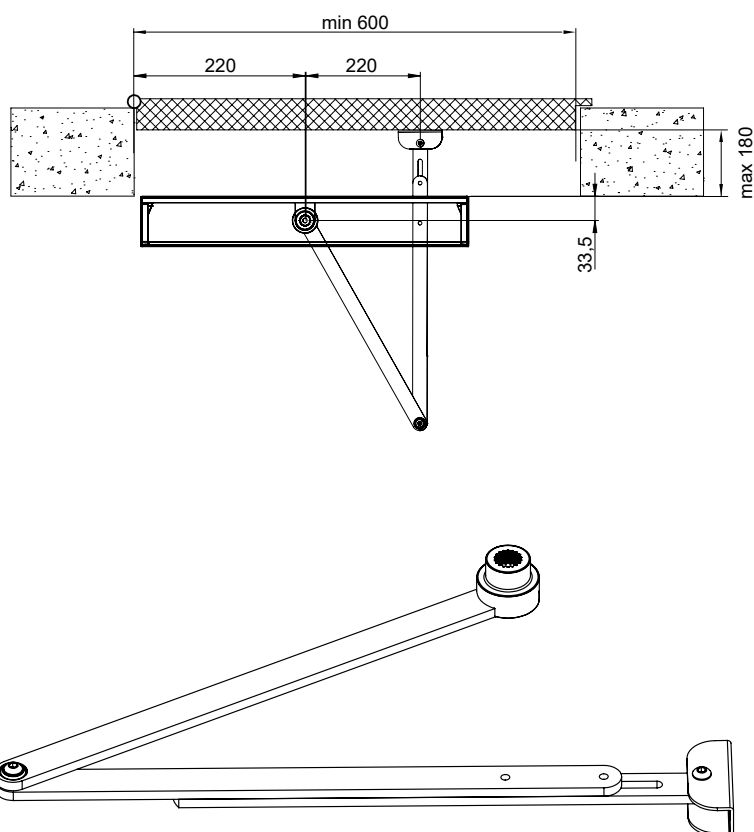
If necessary, use the extension 01FE0065 to increase the distance between the automation and the guide.

Drill the leaf and fasten the articulated arm respecting the measurements indicated in the figures.

Install a mechanical stop for the open door on the floor or ceiling (not supplied by us).

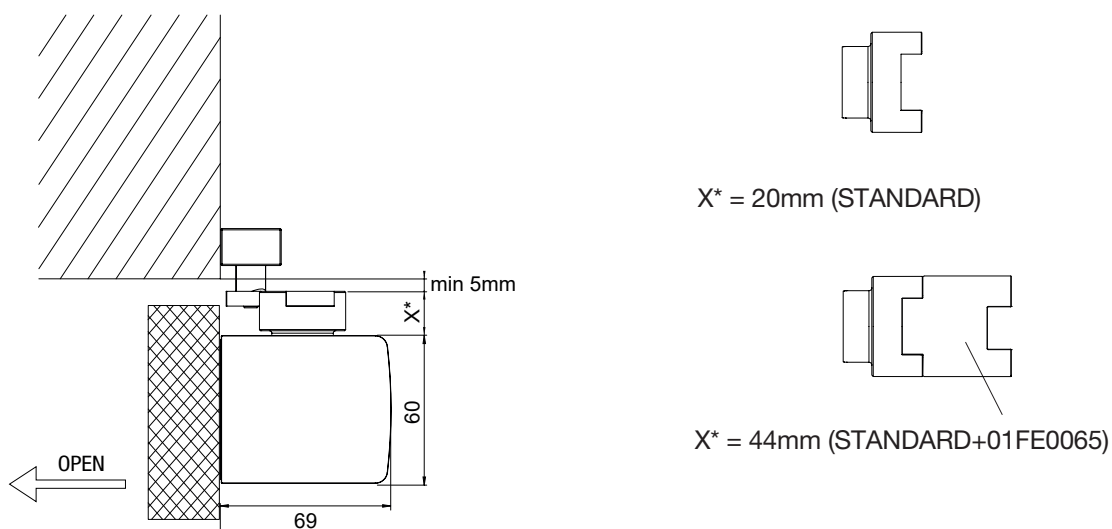
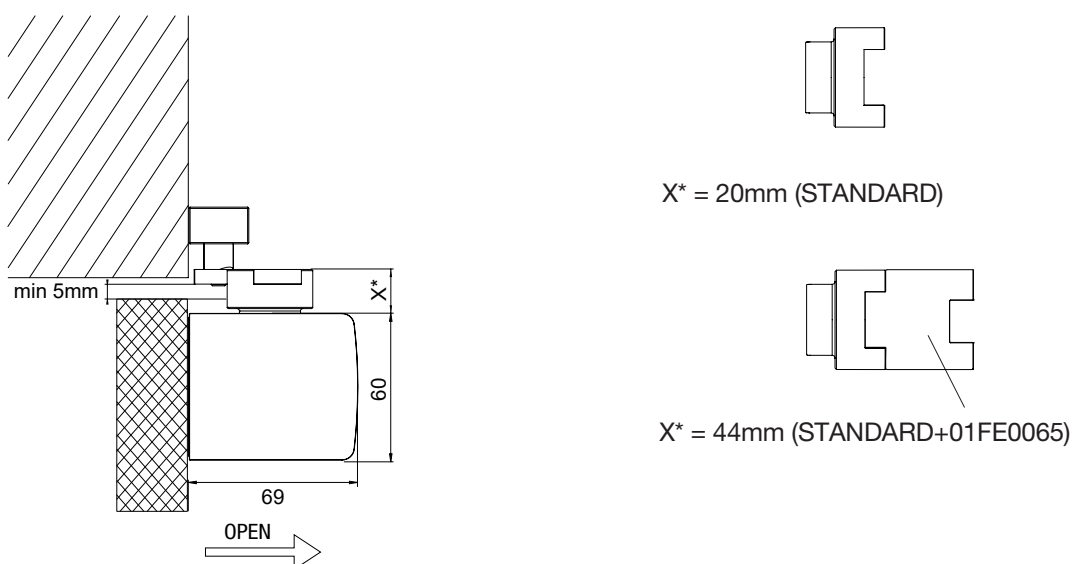
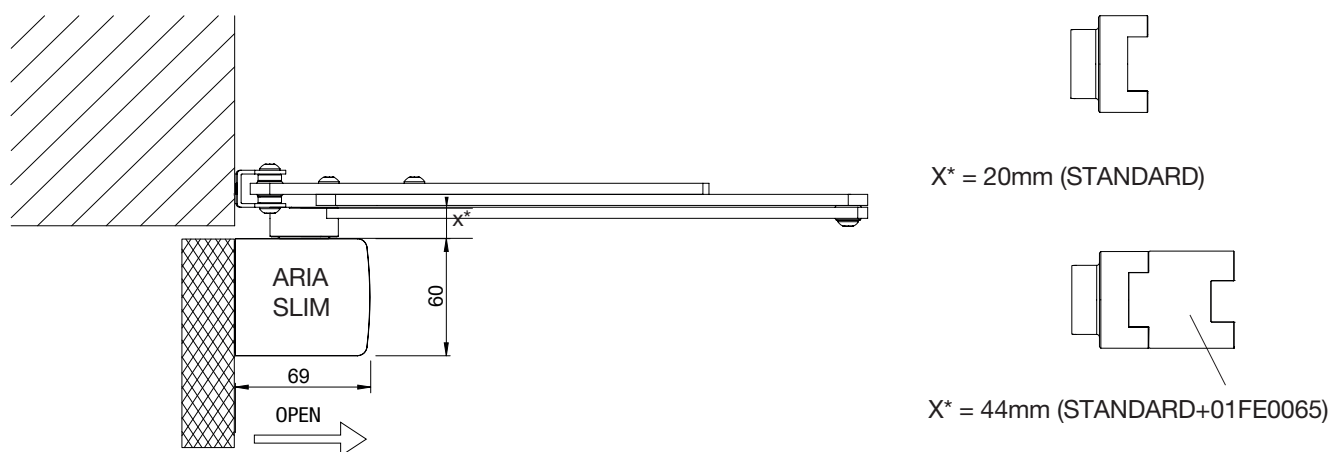
ATTENTION:

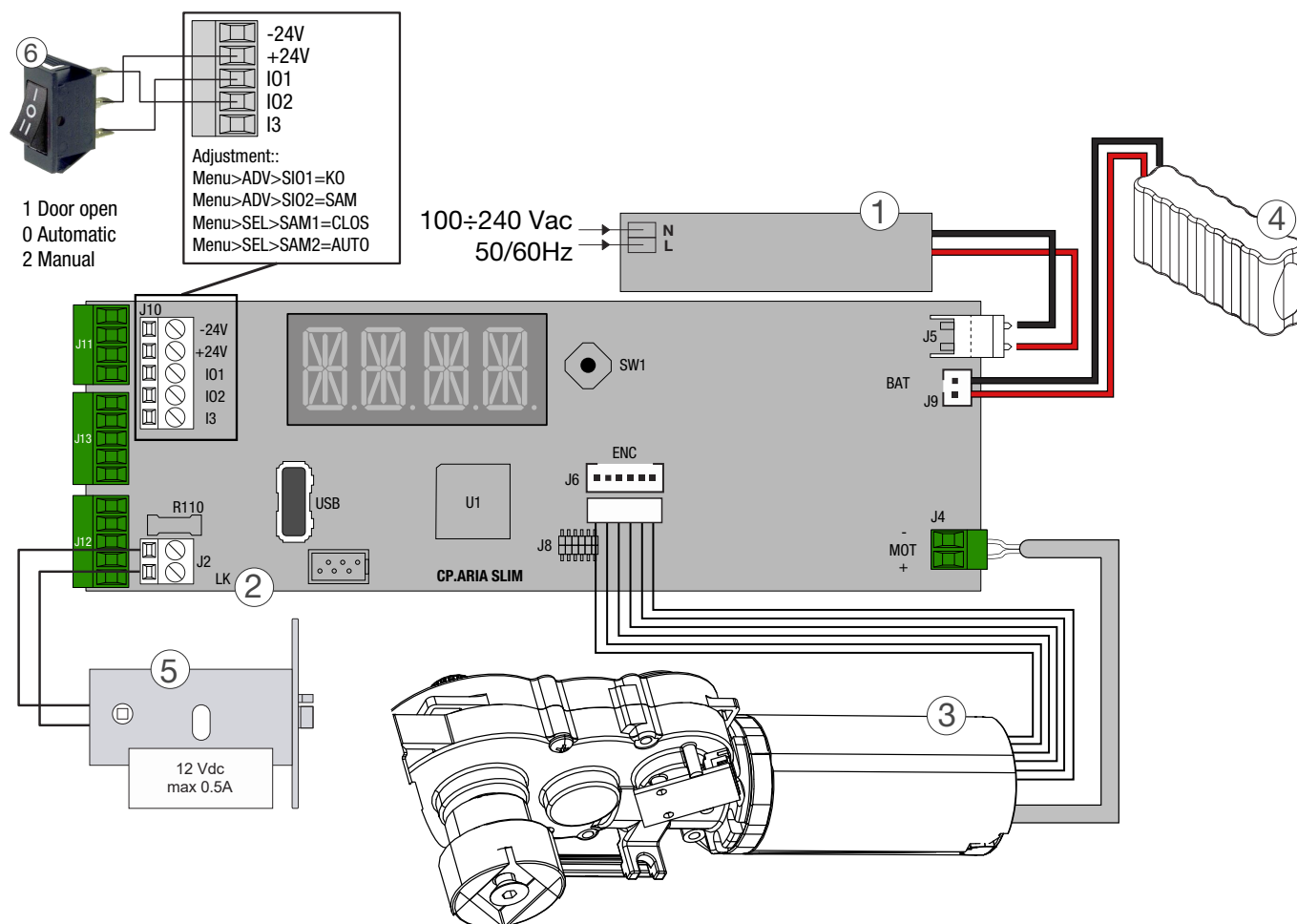
door stops on the floor must be fastened in a visible position and must not cause hazard of tripping.



Change length of articulated arm:

- 1 - Unscrew the 2 M6 screws
- 2 - Lengthen/shorten the rod (+/-).
- 3 - Tighten the 2 M6 screws





Ref.	Terminals	Description
1	PWR	Mains power board
2		CP.ARIA SLIM electronic control
3	MOT	Direct current gearmotor
	ENC	Angular sensor
4	BAT	KIT 99BA0006 (optional, non-replaceable batteries)
5	LK	Electric lock (optional, not supplied by us; 12Vdc max 0.5 A)
6		31IB0002 operating mode selector

11.1 GENERAL ELECTRICAL SAFETY WARNINGS

The installation, electrical connections and adjustments must be carried out in compliance with good practice and in compliance with standards in force. Before connecting the electrical power supply, ensure the plate data correspond to those of the electrical distribution mains. On the power supply mains, install an omnipolar switch/sectioning device with an opening distance of the contacts equal or over 3mm. This switch must be protected from unauthorised activations.

Check upstream of the electrical system that there is an adequate differential switch and an overcurrent safety device.

During installation, maintenance and repair operations, remove the power supply before opening the casing to switch on the electrical parts.

The electronic parts must be handled using anti-static, conductive wrist straps connected to the ground.

MYONE S.r.l. cannot be held in any way liable if components are installed which are incompatible for safety purposes and for good operation.

For possible repair or replacement of products, only original spare parts must be used.

The plate data are found on the label positioned in front.

11.2 ELECTRICAL POWER SUPPLY CONNECTION

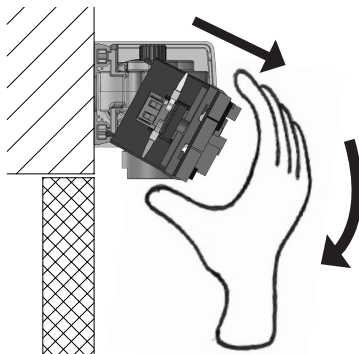
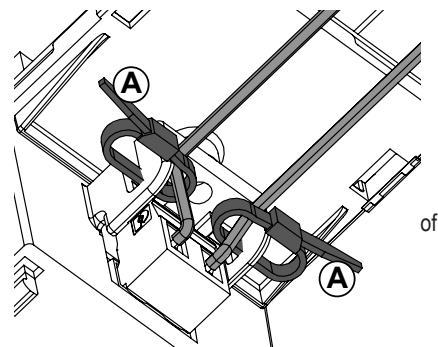
The connection to the power supply can be made using a suitable power supply cable (not supplied by us).

Through the base of the automation using the slots provided for this purpose via a wall duct (independent and separate from the connections to the control and safety devices)

N.B. Make sure there are no sharp edges that could damage the power supply cable. Insert the cable duct approximately 10 mm inside the automation.

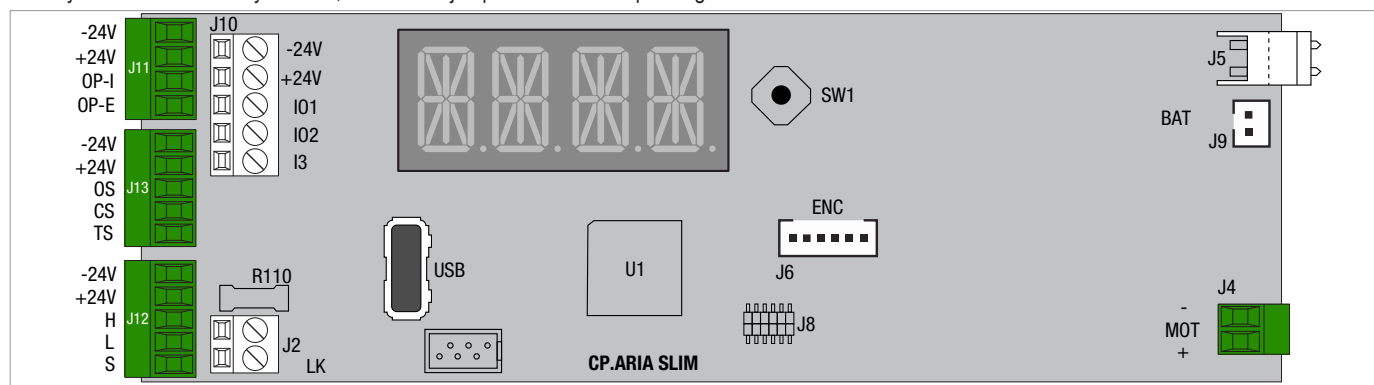
In order to avoid accidental contact with metal parts, fasten each wire to the appropriate slots by means cable ties A (not supplied by us) as shown in the figure on the right.

To facilitate connection of the power supply, unhook the electronics as shown below.



11.3 ELECTRONIC CONTROL TERMINAL BOARDS

When you connect the safety devices, remove the jumpers of the corresponding terminals.



Terminals J12 (grey)	Description
L / H	BUS connection to the electronic function selector/programmer and/or for leaf synchronisation/interlocking
S	Rotary selector signal 31SR0011 / 31SR0012
+24V / -24V	Rotary / electronic selector power supply. Maximum absorption of 0.5 A corresponding to the sum of all the terminals (+/- 24V).

Terminal J13 (green)	Description
TS	Test output: Connect the safety devices with testing (compliance with standard EN 16005), as indicated in the following chapters. N.B. For devices without testing, connect the N.C. contact to the TS/OS terminals.
+24V / CS	N.C. safety contact in closing (left hand side of automation view). When the door is closing, opening the contact inverts the door, which can be excluded in the last 0÷50° (modifiable using the advanced parameters menu). N.B. Connect the safety devices with testing (see TS terminal) and remove the TS/CS jumper.
+24V / OS	N.C. safety contact in opening. When the door is opening, opening the contact causes the door to stop, which can be excluded in the last 0÷50° (modifiable using the advanced parameters menu). N.B. Connect the safety devices with testing (see TS terminal) and remove the TS/OS jumper.
+24V / -24V	24 Vdc output for external accessories supply. Maximum absorption of 0.5 A corresponding to the sum of all the terminals (+/- 24V).

Terminal J11 (green)	Description
+24V / OP-I	N.O. opening contact side A (internal side of automation view).
+24V / OP-E	N.O. contact of opening side B (external side of automation view).
+24V / -24V	24 Vdc output for external accessories supply. Maximum absorption of 0.5 A corresponding to the sum of all the terminals (+/- 24V).

Terminals J10 (green)	Description
I3	Input terminal for general use. Using the ADV menu > SI3, you can associate the I3 terminal with a specific function.
IO2	Input/output terminal for general use. Using the ADV menu > SIO2, you can associate the IO2 terminal with a specific function.
IO1	Input/output terminal for general use. Using the ADV menu > SIO1, you can associate the IO1 terminal with a specific function.
+24V / -24V	24 Vdc output for external accessories supply. Maximum absorption of 0.5 A corresponding to the sum of all the terminals (+/- 24V).

Terminals J2 (green)	Description
LK	Electric lock activation signal 12Vdc max 0.5A(functions can be set through the advanced parameters menu)

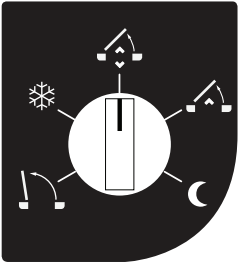
Terminals	Description
ENC	Rapid connector for angular sensor connection (Encoder)

Terminals J4 (green)	Description
MOT	Connector for motor connection

Speaker	Description
USB device	USB port. Enables saving and loading of the control unit configuration, saving alarms and carrying out any SW update.

11.4 ELECTRICAL CONNECTIONS OF THE FUNCTIONS SELECTOR 31SR0011 - 31SR0012

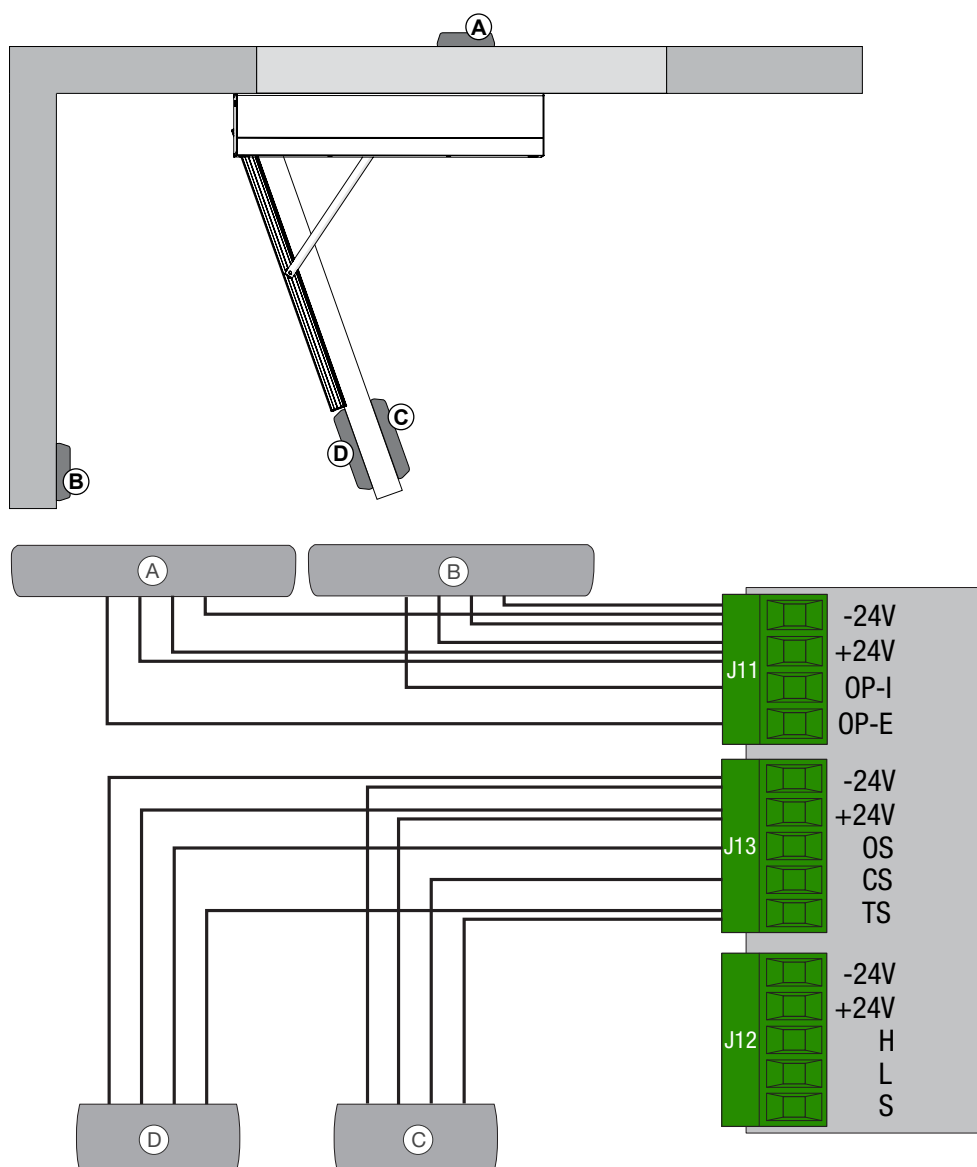
Connect the terminals (+24V, -24V, S) on the functions selector, using the cable not supplied by us, for terminals (+24V, -24V, S) of the electronic control.
N.B. For lengths over 10 metres, use a cable with 2 braided pairs.

Symbol	Description	
	DOOR OPEN The door is open and remains open.	
	With two synchronised swing leaves, only the master leaf opens	
	TWO-DIRECTIONAL TOTAL OPENING Allows two-directional door opening.	
	ONE-DIRECTIONAL TOTAL OPENING Allows one-directional operation from the internal/external side of the door.	
	NIGHT CLOSURE The door closes and remains locked (if a lock is present), disabling the radar.	

To manage two independent automations using the same functions selector, connect only the -24V and S terminals, using the cable not supplied by us, also to the -24V and S terminals of the second automation.

To manage two synchronised or interlocked automations via bus, using the same functions selector, see 12.

11.5 ELECTRICAL CONNECTIONS OF THE OPENING AND SAFETY SENSORS



Terminals	(A) (B) External/Internal opening sensor		
	31RM0002 (ArtMotion 2)	31RM0003 (Merkur 2)	31RM0004 (Eagle Artek)
OP-E / OP-I	Yellow	4 - Blue	Yellow
+24	Brown+Green	1-White + 3-Brown	Red+Yellow
-24	White	2-Black	Black

Terminals	(C)		(D)		Notes (*)
	31RS0001/2 (Uniscan - test input = active low-pull down)	31RS0005 (Spotscan)	31RS0001/2 (Uniscan - test input = active low-pull down)	31RS0005 (Spotscan)	
TS	6	Do not connect; TS=NO	6	Do not connect; TS=NO	
CS	5	5	-	-	Remove the jumper
OS	-	-	5	5	Remove the jumper
+24V	2 3	2 3	2 3	2 3	
-24V	1	1	1	1	

(*) Installation without cardan protection

Terminals	(C) 31RS0006/7 (FlatScan SW) - Dip1=OFF	(D) 31RS0007/6 (FlatScan SW) - Dip1=OFF	Notes (*)
TS	Red	Red	
CS	Grey	-	Remove the jumper
OS	-	White	Remove the jumper
+24V	Green + Pink	Green + Yellow	
-24V	Brown + Light Blue	Brown + Light Blue	

(*) Installation with:

- a single sensor on the closing side, cardan protection with reopening in closing - only (C)
- single sensor on the opening side, cardan protection with opening stop – only (D)
- one sensor for each side, not connected by bus, cardan protection with reopening in closure and stop in opening

Adjust the parameters for protecting the cardan on each sensor as necessary

Terminals	(C) 31RS0008 (FlatScan SW) - Dip1=OFF	(D) 31RS0008 (FlatScan SW) - Dip1=ON	Notes (*)
TS	Red	-	
CS	Grey	-	Remove the jumper
OS	White	-	Remove the jumper
+24V	Green + Pink + Yellow	-	
-24V	Brown + Light Blue	-	
-	Master-slave cable	Master-slave cable	Sensors connected via bus

(*) Installation with a sensor on each side, connected by bus, cardan protection with reopening both in opening and closure

Adjust the parameters for cardan protection on the sensor as necessary

Terminals	(C) 31RS0009/11/13 (OA-Edge TM) A7=ON, A8=ON, B3=OFF, B4=ON	(D) 31RS0009/11/13 (OA-Edge TM) A7=ON, A8=ON, B3=OFF, B4=OFF	Notes (*)
TS	Black	Black	
CS	Yellow	-	Remove the jumper
OS	-	Blue	Remove the jumper
+24V	White + Green + Pink	White + Green + Pink	
-24V	Brown + Purple	Brown + Purple	

(*) Installation with sensors not connected to the bus

Terminals	(C) 31RS0009/11/13 (OA-Edge TM) A7=ON, A8=ON, B3=OFF, B4=ON	(D) 31RS0010/12/14 (OA-Edge TS) A7=ON, A8=ON, B3=OFF, B4=OFF	Notes (*)
TS	Black	-	
CS	Yellow	-	Remove the jumper
OS	Blue	-	Remove the jumper
+24V	White + Green + Pink	-	
-24V	Brown + Purple	-	
-	Master-slave cable	Master-slave cable	Sensors connected via bus

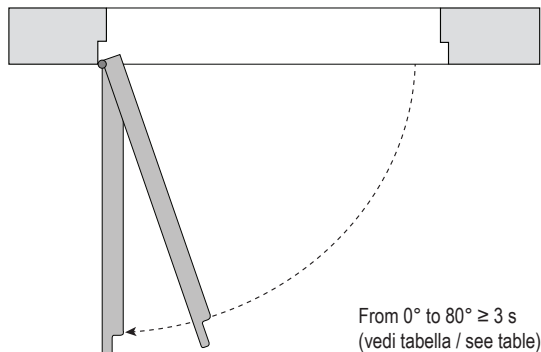
(*) Installation with sensors connected to the bus

For further information, refer to the installation manual of the sensor.

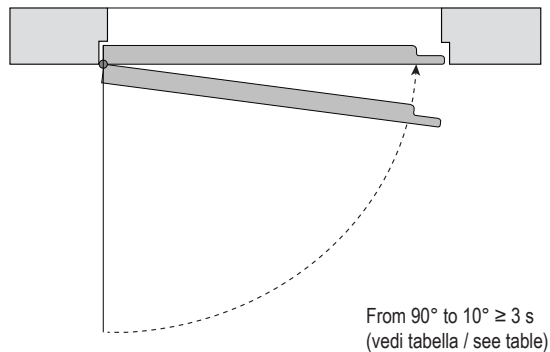
For Low Energy settings, execute the following operations:

- adjust force PUSH ≤ 5 ;
- Adjust the VOP opening speed to open the door (from 0° TO 80°) In the times indicated in the table;
- Adjust the VCL closure speed to close the door (from 90° TO 10°) In the times indicated in the table;

APERTURA / OPENING



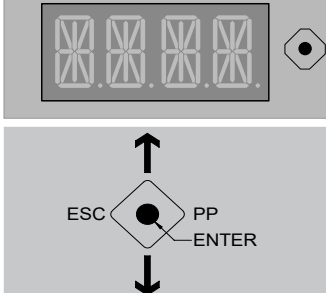
CHIUSURA / CLOSING



The table displays the minimum opening/closing time (in seconds)

Width of the leaf	Weight of leaf				
	50 kg	60 kg	70 kg	80 kg	90 kg
± 0.75m	3.0 s	3.0 s	3.0 s	3.0 s	3.5 s
0.85 m	3.0 s	3.0 s	3.5 s	3.5 s	4.0 s
1.00 m	3.5 s	3.5 s	4.0 s	4.0 s	4.5 s
1.20m	4.0 s	4.5 s	4.5 s	5.0 s	5.5 s

The CP.ARIA SLIM central menu is equipped with a JOYSTICK and 4 alphanumerical displays to set all the necessary adjustments. The JOYSTICK can be moved in the four directions and/or pressed, and its operation is indicated in the table

Buttons	Description	
PP	OPEN button. Executes an OPEN command equivalent to a priority open.	
ENTER	Selection button, each time it is pressed you enter the selected parameter. Saving button, pressing for 1 second you "SAVE" the selected value.	
ESC	Escape button, each time it is pressed you exit the selected parameter or from the menu.	
↑	Scroll button, each time it is pressed, you select a menu item or increase the value of the selected item.	
↓	Scroll button, each time it is pressed, you select a menu item or reduce the value of the selected item	

It is possible to reverse the display and the action on the joystick, for example if the automation is mounted upside down, by keeping the joystick simultaneously pressed and moved upwards for at least 5 s.

13.1 MENU LIST

- **BASIC** basic parameters press Enter to access the BASIC MENU
 - **INFO** board information
 - **MEM** memory management
 - **ADV** Advanced parameters
 - **SEL** selector
- } press ↑ or ↓ to access subsequent menus

13.2 BASE MENU

ID	Description	Values	Notes
OPEN	Opening direction selection	->	Opening to right
		<-	Opening to left
VOP	Opening speed	15 - 70	%s
VCL	Closure speed	15 - 70	%s
TAC	Automatic closure time	NO 1 - 30	NO = automatic closure disabled [s]
PUSH	Automation thrust force	1 - 10	1 = min, 10 = max
BTMD	Battery operating mode	NO CONT EMER	Battery not considered Continuous operation Opens in emergency
DOOR	Door type	STD	standard door
		SPRN	Future use
ARM	Arm type	PUSH	Articulated arm
		PULL	Sliding arm
LEAF	Leaf weight	MIN	Light leaf
		MAX	Medium/heavy weight leaf
RAMP	Acceleration time	100 - 2000	100 = Maximum acceleration [ms]

13.3 INFO MENU

ID	Description	Values	Notes
VER	Fw version	XXXX	XXXX = firmware version
CYCL	Number of executed manoeuvres	0 - 9999	Number of executed manoeuvres in thousands: 1 = 1000 manoeuvres
SERV	Maintenance signalling setting	NO 1 - 9999	NO = signalling disabled Number of manoeuvres (in thousands) after which the maintenance warning on the control unit display is signalled or setting SIO1/SIO2 signal
LOG	Saving the board log	NO/YES *(NOMS)	Insert USB flash drive. Select YES and press ENTER until the word SAVE appears. The log file (text file) will be saved in MYONEDS/SWING/LOG/ *If NOMS appears, the USB flash drive is not detected or absent
WARN	List of the last 10 warnings		The warnings are put in the order of the most recent to the oldest (0.xxx ... 9.yyy)

13.4 MEM MENU

ID	Description	Values	Notes
FSET	Back to factory settings	NO/YES	Select YES and press ENTER, after 2s the writing "FSET" re-appears, confirming the operation. Resetting the default settings causes automatic resetting of the board, which therefore on subsequent movement will execute an acquisition manoeuvre
FW	Fw upgrade on board	Name of upgrade files *(NOMS)	Insert USB flash drive. Select the Firmware version to upgrade from those available. The upgrade files should be inserted in the path MYONEDS/ SWING/FW/ *If NOMS appears, the USB flash drive is not detected or absent
SIN	Settings loading from USB	NO/YES *(NOMS)	Insert USB flash drive. Select YES and keep ENTER pressed until the writing SAVE appears. *If NOMS appears, the USB pen is not detected or absent
SOUT	Settings saving on USB key	NO/YES *(NOMS)	Insert USB flash drive. Select YES and keep ENTER pressed until the writing SAVE appears. *If NOMS appears, the USB pen is not detected or absent

13.5 ADV (Advanced) menu

ID	Description	Values	Notes
SCEX	Space for safe bypass during closure	0 10 - 50	Safety not bypassed Interval in degrees within which the safety is bypassed (angle measured compared to closure stop)
SOEX	Space for safe bypass during opening	0 10 - 50	Safety not bypassed Interval in degrees within which the safety is bypassed (angle measured compared to opening stop)
SSOP	Behaviour on safety activation opening	CLOS	On activation of the opening safety, the door stops, then the automatic closure time expires, also with the safety active
		OPEN	On activation of the opening safety, the door stops, then the safety disables and opening continues. The door remains still for the entire time the safety is active.
ELLK	Electric lock operating mode	NO	Electric lock not present
		LOCK	Standard electric lock, burglar-proof
		SAFE	Anti-panic electric lock
LKPW	Electric lock power supply voltage	12	12Vdc
TALK	Electric lock activation advance time	0.5s - 5s	Use if the electric lock takes a certain time to disengage and allow leaf movement.
TRLK	Electric lock activation time	0.5s - 5s	Electric lock power supply time
LKSH	Electric lock coupling thrust in closure	NO	No coupling thrust
		MAX	3 thrust levels applied
		MED	
		MIN	
PIPP	Leaf open check enabled	NO/YES	YES = Check enabled, on each opening, the open position is checked by pushing on the leaf stop
PUCL	Thrust force with door closed	NO	No force
		MAX	3 force levels applied
		MED	
		MIN	

HOLD	Maintenance force with door open	NO	No push
		MAX MED MIN	3 maximum strength levels applicable to keep the door in the open measurement
TS	Safety sensors test enabling	NO/YES	YES = Sensors test enabled
PUGO	Push and Go	NO/YES	YES= Manual movement of the door from closed causes motor opening. A small manual movement of the door leaf when closed causes it to open by motor and then close automatically
MAN	Hand movement	NO/YES	YES= The door can be opened by hand and automatically closed once released
MOT	Motor configuration disabled	OC	Windings open - Manual opening with little friction
		SC	Short-circuited motor windings Manual opening of the door with greater resistance
SIO1	Setting input/output IO1	NO	Disabled
		INKE	Interlock exclusion contact
		KOPT	Partial Open Key. Priority partial open command
		WARN	Alarm status signalling
		SERV	Number of manoeuvres reached for maintenance signalling
		SIGN	Signalling. Select the type of signal using the SIGN parameter
		BELL	Buzzer activation in input/activation of door
		RSET	Automation reset contact
		EMER	Emergency open contact (NC)
		SAM	Select operating mode from signal level SIO1
		STEP	Step-step opening (open impulse/lose impulse). During opening by steps, automatic closure is disabled.
		KO	Key Open Contact (priority Open command)
		VOPN	Virtual open contact
		KC	Key Close Contact (priority Close command)
SIO2	Setting input/output SIO2	NO	Disabled
		INKE	Interlock exclusion contact
		KOPT	Partial Open Key. Priority partial open command
		WARN	Alarm status signalling
		SERV	Number of manoeuvres reached for maintenance signalling
		SIGN	Signalling. Select the type of signal using the SIGN parameter
		BELL	Buzzer activation in input/activation of door
		RSET	Automation reset contact
		EMER	Emergency open contact (NC)
		SAM	Select operating mode from signal level SIO1
		STEP	Step-step opening (open impulse/lose impulse). During opening by steps, automatic closure is disabled.
		KO	Key Open Contact (priority Open command)
		VOPN	Virtual open contact
		KC	Key Close Contact (priority Close command)
SI3	Setting input SI3	Same input functions as SIO1	See SIO1 limited to input functions: RSET, EMER, KO, VOPN, KC, STEP, SAM, INKE, KOPT

SIGN	Signalling Activation of output contact SIO1/SIO2 (SIO1/SIO2 set on SIGN)	CLOS	Closed door warning
		INK	Door closed signal due to interlocking
		LAMP	Flashing/light (door in motion)
		AIR	Air barrier
		OPEN	Open door warning
TAKO	Automatic closure time in the event of Key Open (KO) input enabling	NO	Closure time equal to TAC (Automatic closure time)
		1 - 30	Differentiated automatic closure time [s]
SYNC	Leaves synchronised. Synchronisation of up to 2 automation units via the bus connection	NO	No synchronisation active
		SLV2	Unit 2 synchronisation slave
		MST2	Unit 2 synchronisation master
		SLV1	Unit 1 synchronisation slave
		MST1	Unit 1 synchronisation master
SDLY	Overlapped synchronised leaves delay	NO	No delay
		MIN	Minimum delay
		MED	Medium delay
		MAX	Maximum delay
INK	Interlocked doors. Interlocking of two automation units via the bus connection	NO	No active interlock
		EXT	External side automation
		INT	Internal side automation

13.6 SEL (Advanced) menu

ID	Description	Values	Notes
MODE	Working modes	NO	No mode selected
		1DPA	Partial one-directional
		PA	Partial
		1D	One-directional
		CLOS	Door closed
		AUTO	Automatic/day mode
		OPEN	Door open
SECL	Selector safety level	NO/CODE	No protection /Code protection.
DLAY	Maintenance time of the one-directional opening mode during night stop	1 sec - 5 min	The night stop procedure (night mode) includes passage using the one-directional filter, held for the time specified in DLAY, to allow exiting but not entrance
SAM1	If in the SIO1/SIO2 menu, the item SAM is selected, you can establish which operating mode to set when the contact (SIO1/SIO2) is HIGH	CLOS	Door closed
		AUTO	Automatic/day mode
		OPEN	Door open
		1DPA	Partial one-directional
		PA	Partial
SAM2	If in the SIO1/SIO2 menu, the item SAM is selected, you can establish which operating mode to set when the contact (SIO1/SIO2) is LOW	1D	One-directional
		CLOS	Door closed
		AUTO	Automatic/day mode
		OPEN	Door open
		1DPA	Partial one-directional
RPEN	Enable remote programmer mode	PA	Partial
		1D	One-directional
		NO/YES	RPEN set to YES allows you to activate the remote programmer mode, or if set to NO it does not allow you to enable the remote programmer mode.
		CODE	Code management (from keypad or from NFC tags)
		NO	No storage
CODE	Code management (from keypad or from NFC tags)	DPRG	Deletion of the remote programmer mode enabling codes only
		DALL	Complete deletion of the code list
		DELC	Code deletion
		PROG	New code saving for remote programmer mode activation
		OPEN	New priority open command code saving
		SEL	New code saving for selector unlocking (function selector mode)
CIN	Import codes	NO/YES *(NOMS)	It allows you to import the code list stored on a USB flash drive *If NOMS appears, the USB pen is not detected or absent
COUT	Export codes	NO/YES *(NOMS)	It allows you to export the code list on a USB flash drive *If NOMS appears, the USB pen is not detected or absent
SHOW	Display of possible anomalies and operating information on the display	ALL WARN	Display of active contacts of the terminal boards + warning Warning only

STBY	Standby mode (low consumption)	NO/YES	Enables switching to low power condition (as per European regulation 2023/826) in night closing and door open modes: - in the presence of an electronic or rotary function selector, in night closing and door open modes; return to full functionality by selecting one of the other operating modes - in the absence of the selector (ensure from the menu that SEL/MODE=NO) once the door has closed; return to full operation with a prolonged command given on OP-I or OP-E, using the +24V taken from terminal J12 as common
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14.1 ALARMS

Code	Description	Notes
W001	Encoder fault	Encoder faulty The automation blocks
W002	Motor short circuit	A motor short circuit has been detected. The control blocks movement for 1.5s then tries to power the motor again
W003	Motor control error	Error on motor control circuit. The automation blocks
W004	Current reading circuits fault	Reading the motor currents is not correct. The automation blocks
W010	Movement inverted	Movement detected of direction contrary to that set. The automation blocks.
W011	Stroke too long.	During the acquisition phase, a stroke was detected over the maximum permitted. The automation blocks
W012	Stroke too short	During the acquisition phase, a stroke was detected under the minimum permitted. The automation blocks
W013	Beyond stop	During operation, a stroke was detected longer than that acquired. The automation blocks
W014	Motor absent/faulty	Detected in approx. 3s, if the motor was detached or faulty (no current absorption)
W100	User program not correct, Absent	Software upgrade unsuccessful or corrupted. Switch off and back on the board (with the USB pen inserted) to restart the upgrade procedure

14.2 EVENTS

Code	Description	Notes
W126	Internal error	Alarm that groups all the internal test failures of the board
W128	No mains power supply	
W129	No battery	Enabled if an operating mode is set which includes battery presence
W130	Low battery	Insufficient battery voltage detected
W140	OS safety test failed	The door stays open
W142	CS safety test failed	The door stays open
W144	TS terminal wrong connection	Check the TS terminal is not connected at +24V
W145	High motor temperature	Manoeuvre speed lowered to safe value [15°/s]
W146	Motor overtemperature	Door stopped until the motor temperature returns to safe values
W148	Lock overcurrent	Anomalous lock power supply current (too high)
W150	Opening obstacle	Obstacle detected during opening manoeuvre. The door stops and closes once the automatic closure time is up
W151	Closure obstacle	Obstacle detected during closure manoeuvre. The door reopens

15.1 INTRODUCTION

Installation description for synchronised and/or interlocked automation modes

15.2 CONNECTION WIRING

The interlock and synchronisation functions use the communication bus identified on the board by the terminal board 'L H +24 -24'.

First of all, the automations that you want to synchronise or interlock must be connected by wiring the 'L H +24' signals

N.B.: do not connect the -24V signal between the boards.

Connect the AQA S electronic selector, if any, to the terminal board [L H +24 -24]' of one of the two automations.

15.3 WIRING CONNECTIONS IN THE PRESENCE OF A ROTARY SELECTOR

The interlock and synchronisation functions use the communication bus identified on the board by the terminal board 'L H +24 -24'.

First of all, the automations that you want to synchronise or interlock must be connected by wiring the 'L H' signals only.

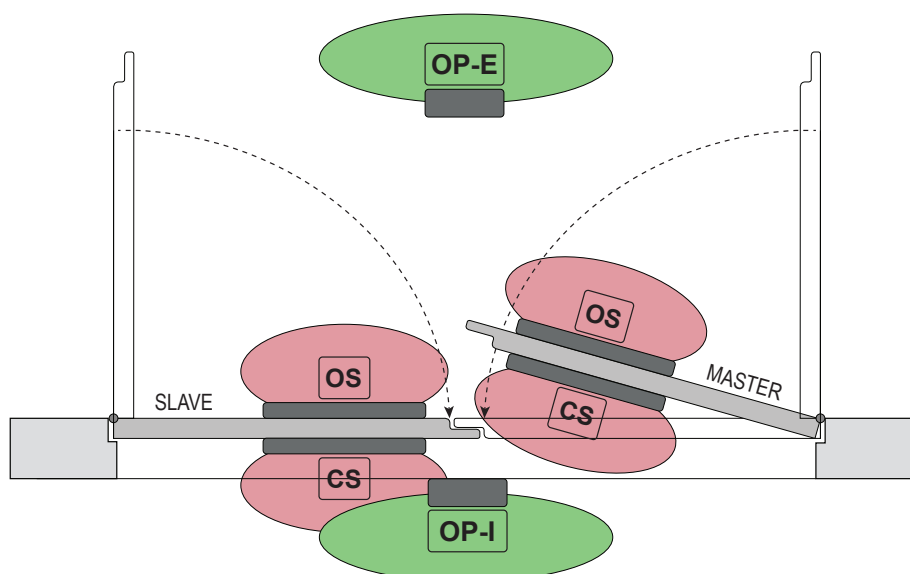
Connect the rotary selector of the S+24-24 terminal board of one of the two automations

Connect the -24V and S terminals only, using the cable not supplied by us, also for the -24V and S terminals of the second automation.

ATTENTION: do not connect the +24V terminal that would be provided by the bus connection between the two automations.

15.4 SYNCHRONISATION OF TWO AUTOMATIONS

Once the communication bus has been correctly wired, to activate synchronisation of two automations, connect the opening sensors, for example on the master automation, and connect the safety sensors on both automations as indicated in chapter 8.5; the sensors operate according to the following diagram, and both automations, through the bus, synchronise their movement in the event of an opening command or intervention of one of the safety devices.



It is finally necessary to execute the following settings:

- menu ADV>SYNC:

Set an automation on MST1, master automation. For overlapping leaves, it is the one that overlaps (blocking the other leaf)

Set the other automation to SLV1, slave automation. For overlapping leaves, it is the one that is blocked by the other leaf

NOTE: it is possible to define a maximum of 2 units of synchronised leaves. The leaves that make up unit '1' are identified by [MST1, SLV1], while the leaves that make up unit '2' are identified by setting [MST2, SLV2].

- If you need to activate a second group of leaves, repeat the ADV/SYNC settings by selecting MST2 and SLV2 on the automations that will form unit '2'

To adjust the delay in the case of overlapping leaves:

- menu ADV>SDLY, choose:

NO if there is no overlapping

MIN, MED or MAX based on the delay you want to have between the two leaves

15.4.1 Synchronisation operation

When the system is switched on, at the first opening manoeuvre, the leaves will open one at a time, first the master, then the slave. Once the manoeuvring space has been acquired, movement will be synchronised according to the selected settings.

15.5 INTERLOCKING OF TWO AUTOMATIONS

Once the communication bus has been correctly wired, the following settings must be carried out to activate the interlocking of two automations:

- menu ADV>INK:

It is necessary to distinguish between automation on the internal side and automation on the external side.

Select the INT item to indicate the automation on the internal side and the EXT item to indicate the automation on the external side

It is possible to associate the activation of a SIO1/SIO2 output to the interlock operation, for example to command a light signalling the status of the door:

- menu ADV>SIO1/SIO2:

select the SIGN item

- menu ADV>SIGN:

select the INK item

The IO1/IO2 output will be activated when the door is locked due to the interlock (with this signal, for example, it will be possible to turn on the red light signal to indicate that the passage is temporarily blocked)

It is possible to temporarily disable the interlock function via button/contact:

- menu ADV>SIO1/SIO2/SI3:

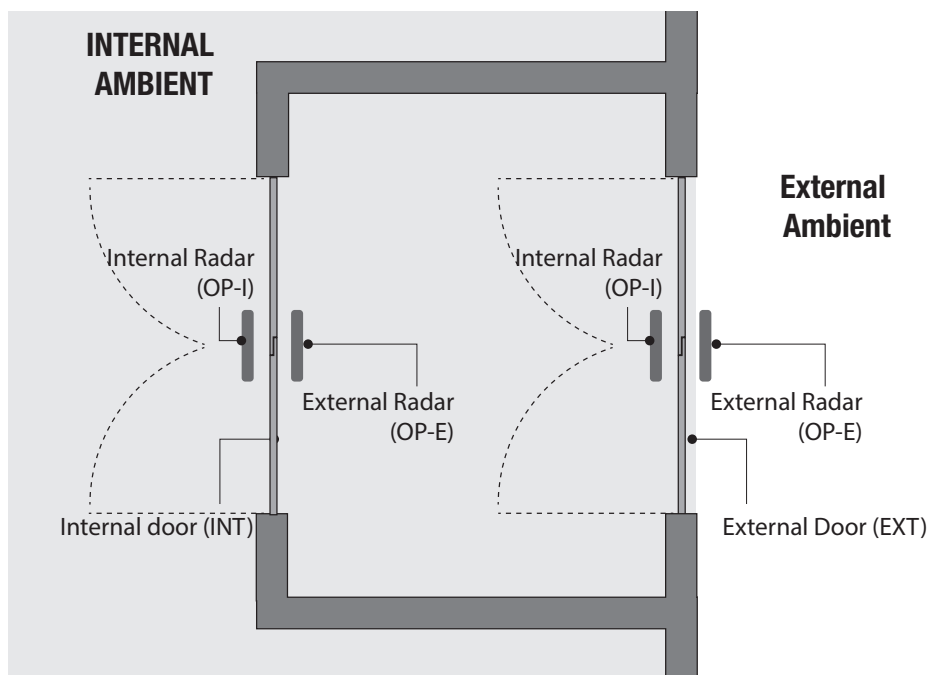
select the INKE (Interlock Exclusion) item

Closing the IO1/IO2/I3 output on +24V will disable the interlock function.

15.5.1 Interlock operation

The interlocked automations will open one at a time, waiting until the other automation is closed before opening.

NOTE: It is important to establish the correct travel direction by indicating the internal and external automation, then correctly setting the internal and external radar as these choices affect the interlock operating logic.



Starting from the rest state, in which both automations are closed, the first to receive an open command starts the opening manoeuvre. The other automation, on the other hand, goes into the 'locked' state where it does not accept any opening commands from the OP-I OP-E contacts. It is however possible to open (for safety reasons etc) using the KO priority open command. (to be configured ON IO1, IO2 or I3)

Once the opening door has reached the open position, its radar signals and safety lock outside the interlocking compartment are disabled, this is in order to facilitate prompt closing.

The signals will remain disabled for the entire closing manoeuvre and for the subsequent opening/closing of the other door.

Once the other leaf has been opened/closed all the signals are re-enabled.

W152	Door locked in closure	Door cannot start opening manoeuvre. The door does not accept commands for 5s
W153	Door locked in opening	Door cannot start closure manoeuvre. The door does not accept commands for 5s
W160	Communication alarm	Communication interrupted between coupled boards or non-coherent roles in the coupled operating mode (e.g. both automations are selected as INT or EXT in interlocked operation)
W256	Board on	
W257	Start software board	
W320	Maintenance event	Enabled once the automation has executed the specified number of manoeuvres from the maintenance parameter

16.1 Preliminary checks

At the end of the installation activities, manually move the leaves and check movement is regular and friction free.

Check the structure is solid and correctly fasten all the screws.

Check the electrical connections are all correct.

16.2 Before connecting possible safety devices, leave the jumpers on the safety terminals of the electronic control (TS-CS, TS-OS).

N.B. The first opening and closure manoeuvre is carried out with low speed to enable automatic detection of the stop measurements.

16.3 To ensure the electronic control has the factory settings, restore the values using the menu:

MEM > FSET > YES (confirm by pressing ENTER for 1 second).

16.4 Execute menu adjustments as indicated in chapter 10. Use the PP key to give the opening commands and check the door is working properly.

N.B. The automation automatically recognises possible obstacles during the closure (movement inversion) and opening manoeuvre (movement stoppage).

16.5 Connect the command and safety devices one at a time to protect the door closure manoeuvre, as indicated in chapter 8.5 and checking its correct operation.

N.B. Check the passage compartment is correctly protected from safety sensors, in compliance with the provisions of the European standard EN16005

(Annex C).

16.6 Connect the safety devices one at a time to protect the door opening manoeuvre, as indicated in chapter 8.5 and checking its correct operation.
N.B. In the event of distances between the door and the fixed parts, comply with the European standard EN16005 (chapter 4.6.2.1.a), the safety sensors in opening are not necessary ($X \leq 100$ and $Y \geq 200$).

16.7 Connect the functions selector as indicated in chapter 8.4.

16.8 When start-up is complete, deliver the use instructions to the manager of the automatic door, including the warnings and information necessary to maintain safety and functionality of the automatic door.

N.B. The manufacturer of the automatic swing door must add its identification label of the system.

Problem	Possible cause	Intervention
The automation does not open or close.	No mains power supply (display off).	Check the mains power supply is present.
	Accessories outside the short circuit.	Disconnect all the accessories from the terminals -24V/+24V and reconnect them one at a time (check the presence of 24V voltage).
	The door is locked with latches or locks.	Check the leaves move freely.
The automation does not execute the functions set.	Functions selector with wrong setting.	Check and correct the functions selector settings.
	Command or safety devices are always enabled.	Disconnect the devices from the terminal boards and check the door is working.
Movement of the leaves is not linear or movement is inverted for no reason.	Automation did not correctly detect the stop measurements.	Reset by switching the automation off and back on.
The automation opens but does not close.	The safety devices test causes anomalies.	Bridge one contact at a time TS/OS TS/CS.
	The opening devices are enabled.	Check the opening sensors are not subject to vibrations, do not make false detections or the presence of objects in motion in the action range.
	Automatic closure is not working.	Check the settings of the functions selector.
The safety devices do not intervene.	Wrong connections between the safety devices and electronic control.	Check the safety contacts of the devices are correctly connected to the terminal boards and the relevant jumpers were removed.

"Implementation of Directive 2012/19/EU on electrical and electronic equipment waste (WEEE)"

The automation opens by itself. The automation opens by itself. The opening and safety devices are unstable or detect bodies in motion.	Automation has detected an anomaly.	Check the opening sensors are not subject to vibrations, do not make false detections or the presence of bodies in motion in the action range. Check the electrical mains is present. Check the battery connection and its efficiency.
The locking device does not lock or does not unlock the leaves.	Incorrect connection of the locking device to the electronic control or wrong settings.	Check the correct connection of the cable to the locking device and the settings
	Mechanical problems in the lock coupling system.	Check correct mounting of the coupling brackets and the presence of adequate tolerances

To guarantee correct operation and safe use of the automatic door, as outlined in the European standard EN16005, the owner must have professionally competent staff carry out routine maintenance.

Except for routine cleaning activities of the fixture and possibly the sliding guides on the floor, the competence of the owner, all the maintenance and repair activities must be carried out by professionally competent staff.

The following table lists the activities relating to routine maintenance, and the intervention frequency referring to the automatic swing door with operation in standard conditions. In the event of more burdensome conditions, or in the event of sporadic use of the automatic swing door, the frequency of maintenance intervention can be coherently adequate.

Activities	Frequency
Disconnect the power supply and open the automation and execute the following checks and adjustments. - Check correct fastening of all the screws on the components inside the automation. - Check correct voltage of the belt.	Every 6 months or every 200,000 manoeuvres.
Connect the mains power supply and execute the following checks and adjustments. - Check correct operation of the command and safety devices. - Check the detection area of the safety sensors complies with the provisions of the European standard EN16005. - If present, check the locking device is working correctly. - Check the battery-powered device is working properly (if necessary, proceed to replace the battery).	Every 6 months or every 200,000 manoeuvres. N.B. Check the safety functions of the automation and the safety devices which must be carried out at least once a year.



All maintenance, replacement, repair, upgrading, etc. operations must be written on the maintenance register, as requested by the European standard EN16005, and delivered to the owner of the automatic swing door.

For possible repair or replacement of products, original spare parts must be used.

18.1 DISPOSAL OF PRODUCTS

USER INFORMATION

MAINTENANCE RECORD

FOR AUTOMATIC PEDESTRIAN DOORS IN COMPLIANCE WITH THE MACHINERY DIRECTIVE 2006/42/EC AND THE EUROPEAN STANDARD EN 16005

This maintenance record contains technical data and records of installation, maintenance, repair and modification activities, and must be made available for inspection by authorised bodies.

TECHNICAL DATA OF THE AUTOMATIC DOOR AND INSTALLATION

Manufacturer/Installer:	_____	Name, address, contact person
Customer/Owner:	_____	Name, address, contact person
Order number:	_____	Number and date of order
Name and description:	_____	Type of door
Dimensions and weight:	_____	Dimensions of the passage compartment, dimensions and weight of the leaves
Serial number:	_____	Unambiguous identification number of the door
Location:	_____	Installation address

LIST OF COMPONENTS INSTALLED

The technical features and performance of the components listed below are documented in the relevant installation manuals and/or on the label attached to the component.

Automation:	_____	Model, type, serial number
Motor:	_____	Model, type, serial number
Electronic control:	_____	Model, type, serial number
Safety devices:	_____	Model, type, serial number
Control devices:	_____	Model, type, serial number
Miscellaneous devices:	_____	Model, type, serial number
Other:	_____	Model, type, serial number

TEST REPORT				
Tick the box corresponding to the operation carried out: C = Conforming, NC = Non-conforming, NA = Not applicable.				
Phase	Description	C.	NC	NA
1	Check the existing structure and automation fixing			
2	Check leaves are correctly fixed to the automation carriages and adjustment			
3	Check the carriages cannot exit the sliding guide			
4	Check the belt voltage			
5	Check the mechanical limit switches, and tightness of all the screws			
6	Check the floor guide			
7	Check the doorway complies with contractual data			
8	Check the distance between the leaf and the floor			
9	Check the safety distance on opening			
10	Manually check the leaves slide freely without friction			
11	Check the electrical connections of the devices installed			
12	Check the detection area of the opening and safety sensors			
13	Check the additional opening commands (buttons, contacts with key, etc.)			
14	Check the function selector			
15	Check operation with the battery			
16	Check the manual locking and unlocking device function			
17	Check the opening and closing speed			
18	Delivered to the owner, the Declaration of Conformity			
19	Delivered to the owner, the Use and Maintenance Manual			
20	Delivered to the owner, the Maintenance Register			
Date Technician's signature		Owner's signature		

DESCRIPTION OF OPERATION		
Tick the box corresponding to the operation carried out. Describe any residual risks and/or foreseeable misuse.		
☐ Installation		
☐ Start-up		
☐ Adjustment		
☐ Maintenance		
☐ Repair		
☐ Modification		
Date _____	Technician's signature _____	Owner's signature _____

DESCRIPTION OF OPERATION		
Tick the box corresponding to the operation carried out. Describe any residual risks and/or foreseeable misuse.		
☐ Installation		
☐ Start-up		
☐ Adjustment		
☐ Maintenance		
☐ Repair		
☐ Modification		
Date _____	Technician's signature _____	Owner's signature _____

DESCRIPTION OF OPERATION		
Tick the box corresponding to the operation carried out. Describe any residual risks and/or foreseeable misuse.		
☐ Installation		
☐ Start-up		
☐ Adjustment		
☐ Maintenance		
☐ Repair		
☐ Modification		
Date _____	Technician's signature _____	Owner's signature _____

DESCRIPTION OF OPERATION		
Tick the box corresponding to the operation carried out. Describe any residual risks and/or foreseeable misuse.		
☐ Installation		
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☐ Installation		
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☐ Adjustment		
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 Date	 Technician's signature	 Owner's signature

DESCRIPTION OF OPERATION		
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☐ Installation		
☐ Start-up		
☐ Adjustment		
☐ Maintenance		
☐ Repair		
☐ Modification		
 Date	 Technician's signature	 Owner's signature

DECLARATION OF INCORPORATION

Directive 2006/42/EC, Annex II-B



Myone S.r.l.

Via Abbate Tommaso, 52 - 30020 Quarto d'Altino (VE) - ITALY

Declares that:

The automation product for pedestrian swing doors type :

ARIA SLIM

Has been built to be incorporated into a machine or to be assembled with other machinery or components to constitute a machine in accordance with Directive 2006/42/EC.

It may not be put into service until the manufacturer of the power operated pedestrian door has declared conformity under Directive 2006/42/EC (Annex II-A).

It complies with the following applicable essential safety requirements, in Annex I, *Chapter 1 of Directive 2006/42/EC*: 1.1.2, 1.1.3, 1.1.5, 1.1.6, 1.2.1, 1.2.2, 1.2.3, 1.2.4.1, 1.2.5, 1.2.6, 1.3.7, 1.3.8, 1.5.1, 1.5.2, 1.5.8, 1.5.11, 1.6.1, 1.6.3, 1.7

It complies with the Electromagnetic Compatibility *Directive 2014/30/EU*.

It complies with the following harmonised standards:

EN 16005:2012 Power operated pedestrian doorsets - Safety in use - Requirements and test methods (chapters: 4.2, 4.3.1, 4.3.2, 4.3.3, 4.4.1, 4.4.4, 4.4.5, 4.6.1, 4.6.3, 4.6.4, 4.6.7, 4.6.8, 4.7.2.4, 5.1, 5.2, 5.3, 5.4, 5.5.3, 5.6, 5.8.1, 5.8.2, 5.8.3, 5.10)

EN IEC 61000-6-2:2019 Generic standards - Immunity standard for industrial environments

EN IEC 61000-6-3:2021 Generic standards - Emission standard for equipment in residential environments

EN 60335-2-103:2023 Household and similar electrical appliances - Safety Part 2: Particular requirements for drives for gates, doors and windows

EN ISO 13849:1:2015 Safety of machinery - Safety-related parts of control systems. Part 1: General principles for design

EN ISO 13849:2:2012 Safety of machinery - Safety-related parts of control systems. Part 2: Validation (with PL=c for safety functions)

The technical documentation complies with Annex VII-B of Directive 2006/42/EC

The technical documentation is managed by:

Daniele Vanin

with registered headquarters in Via Abbate Tommaso, 52 - 30020 Quarto d'Altino (VE) - ITALY

A copy of the technical documentation shall be provided to the competent national authorities following a duly motivated request.

Place and date:

Quarto d'Altino, 2024-11-25

Daniele Vanin
General Manager

GENERAL SAFETY WARNINGS

AUTOMATION FOR LEAF DOORS

These warnings are an integral and essential part of the product and must be delivered to the user.

Carefully read them as they provide important instructions on safety of installation, use and maintenance.

You must keep these instructions and give them to anyone sub-entering use of the system.

This product should only be intended for the use for which it was expressly designed.

Any other use should be considered misuse and therefore hazardous.

The manufacturer cannot be considered responsible for any damage caused by improper, wrong or unreasonable use.

This product is not intended for use by people (including children) whose physical, sensory or mental capacities are reduced, or with no experience or know-how, unless they can benefit from the intermediation of a person responsible for their safety, supervision or instructions regarding use of the device.

Avoid working near hinges or mechanical units in motion.

Do not enter the action range of the automated door while it is in motion.

Do not oppose motion of the automated door since it can cause hazardous situations.

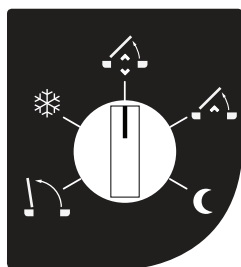
Do not allow children to play or stay within the action range of the automated door.

Keep remote controls and/or any other command devices out of reach of children, to avoid the automated door being involuntarily activated.

If the event of a fault or poor operation of the product, disconnect the power supply switch, abstaining from any attempt to repair it or direct intervention and only contact qualified staff. Non-compliance with the above can create dangerous situations.

Any intervention for cleaning, maintenance or repair must be carried out by qualified staff. To guarantee the efficiency of the system and its correct operation, it is indispensable to comply with the manufacturer's instructions, having qualified staff carry out periodic maintenance of the automated door. In particular, you are advised to carry out periodic testing to ensure the safety devices are all working properly. Installation, maintenance and repair operations must be documented.

FUNCTIONS SELECTOR



Symbol	Description
	DOOR OPEN The door is open and remains open.
	With two synchronised swing leaves, only the master leaf opens
	TWO-DIRECTIONAL TOTAL OPENING Allows two-directional door opening.
	ONE-DIRECTIONAL TOTAL OPENING Allows one-directional operation from the internal/external side of the door.
	NIGHT CLOSURE The door closes and remains locked (if a lock is present), disabling the radar.



This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

