CONTROL PANEL FOR SLIDING GATES







Control panel for 230V ac sliding gates operators

- Automatic programming mode with obstacle detection
- Sequential programming mode: adjustable force, slow down, working time per single motor
- Immediate closing
- Pedestrian opening
- Multi-occupation feature
- Second radio channel interface (optional)
- Output for electrolock connection
- Hammer action and lock pulse function
- Built-in radio receiver 433,92 MHz (32 codes) suitable for fixed or rolling code transmitters
- Input for 8K2 resistive safety edge
- Self diagnosis of malfunctions by LED coding

TECHN	ICAL	FEAT	JRES
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Item code	PQ81S
Pcb's dimensions	137 x 84 x 37 mm
Pcb's weight	160 g
Main power supply	230V ~ 50-60Hz
Power supply tolerance	-10% +20%
Transformer	230/21Vac - 15VA
Main fuse	5 A
Rated power	600 W
Max. power draw	3,5 A
Power draw in stand-by	30 mA
Blinker	24Vac, max 20 W
Accessories	24 Vdc , max 5 W
Accessories	-20 +50 °C
Protection rating	IP55

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1. SAFETY INSTRUCTIONS AND PRELIMINARY CHECKS

WARNING! Important instructions for the safety of people, READ CAREFULLY!



Save this manual for future consultation.



Do not allow children to play with the fixed command devices, or in the gate's area of operation. Keep any remote control devices (i.e. transmitters) away from the children as well



Children are forbidden to carry out cleaning and maintenance unless accompanied by adults.



Children over 8 years, persons with reduced physical, sensorial, mental capabilities or unexperienced people are limited to use the operator unless accompanied by a supervisor or unless they get properly aware of potential hazards associated.



Always cut the power off before operating.

Make sure the earth connection is duly wired.

Wiring, installation and functional tests must be carried out by expert qualified personnel in full compliance with current regulation EN12445.

Use of this control panel must be restricted to the transformer supplied by the Manufacturer.

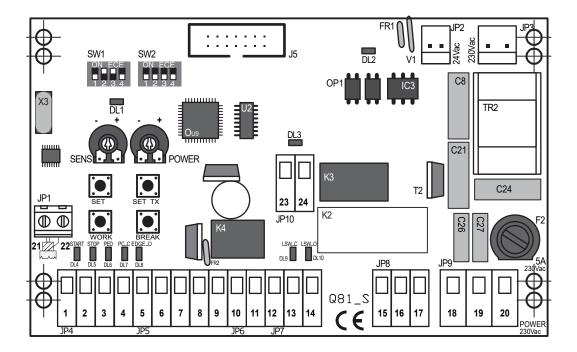
A circuit breaker must be fitted close to the gate in compliance with the wiring diagram and installation instructions (see paragraph 3).

Stay clear of the gate's area of operation when in motion

Frequently check the system to see whetherany anomalies or signs of wear and tear appear on the moving parts, on the component parts, on the securing points, on the cables and any accessible connections.

If the system requires repairs or modifications, release the operator and do not use it until safety conditions have been restored.

2. DESCRIPTION AND MAIN COMPONENTS



J1 = radio receiver

J5 = input second radio channel jack

F2 = line fuse 230V 5A

FR1 = self resettable fuse 24V 1,6A FR2 = self resettable fuse 24V 0,6A

V1 = varistor secondary

K1/K3 = motor relé

K4 = flashing light relé

TR2 = filter

JP1 = GREEN TERMINAL - aerial connection
JP2 = Secondary MOLEX card 24V ac

JP3 = Secondary MOLEX card 24V a = Primary MOLEX card 230V ac

JP4 = BLUE TERMINAL – command devices
JP5 = RED TERMINAL – line and photocells
JP6 = YELLOW TERMINAL – flashing light

JP7 = BLACK TERMINAL - limit switch
JP8 = ORANGE TERMINAL - motor

JP9 = GREEN TERMINAL – line 230V / earth

JP10 = GREEN TERMINAL – safety edge (resistive or mechanical type) only in CLOSING

WARNING LED

DL1 = PROGRAMMING
DL2 = THRUST MOTOR

DL3 = SAFETY EDGE in CLOSING

DL4 = START **DL5** = STOP

DL6 = PEDESTRIAN START
DL7 = PHOTOCELL IN CLOSING
DL8 = PHOTOCELL IN OPENING
DL9 = LIMIT SWITCH IN CLOSING
DL10 = LIMIT SWITCH IN OPENING

PROGRAMMING BUTTONS





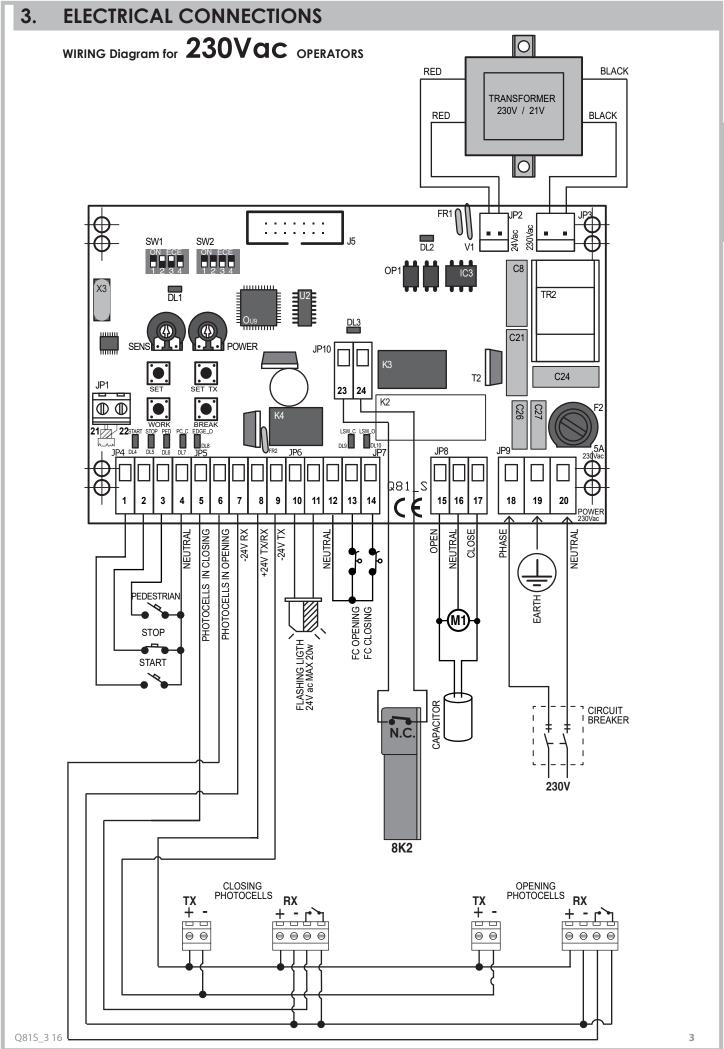






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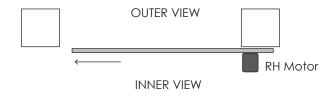
JP1 = GREEN TERMINAL -Aerial connection 21 signal wire	JP1 1 22 3
22 earth wire	21 —
JP2 = RED WIRES - secondary MOLEX card 24V dc	JP2
JP3 = BLACK WIRES - primary MOLEX card 230V ac	JP3
STO - BENCK WIKES - PHINGLY MOLEX CORD 2007 GC	
JP4 = BLUE TERMINAL – command devices	JP4
START (N.O. contact)STOP (N.C. contact)	1 2 3 4
3 PEDESTRIAN (N.O. contact)	
4 NEUTRAL	
JP5 = RED TERMINAL – line and photocells	JP5
5 photocell in closing (N.C. contact)	5 6 7 8 9
6 photocell in opening (N.C. contact)	FOTO FTAP RX-24V Sto TX +24V
7 RX photocells -24V8 TX/RX +24V	GG F Q T X X X X X X X X X X X X X X X X X X
9 TX photocells -24V	Test
	JP6
JP6 = YELLOW TERMINAL – flashing light	[6].
10 flashing light 24V ac - max 20W11 flashing light 24V ac - max 20W	FLASH 24V ac
	JP7 [C] [C]
JP7 = BLACK TERMINAL - LIMIT SWITCH	
12 neutral	12 13 14
13 limit switch in opening14 limit switch in closing	NEUTRAL PENING PENING OSING
14 III III SWIICH III CIOSII IG	OPEUTRA OPENING CLOSING
	<u>ਦ</u> ਦ
JP8 = ORANGE TERMINAL - MOTOR	JP8 MINIM
15 OPEN	
16 NEUTRAL MOTOR OUTPUT 17 CLOSE	
	OPEN CLOSE
JP9 = GREEN TERMINAL - line 230V + earth	
10 UNIT	JP9 [—] —]
18 LINE 19 EARTH	
20 NEUTRAL	18 19 20
Make sure a circuit breaker is properly fitted	$\uparrow \stackrel{\wedge}{\bigtriangleup} \uparrow$
to the gate electric box.	FI 🕌 IN
IR10 COPERATEDAMINAL ANTAL STATES	JP10
JP10 = GREEN TERMINAL – safety edge	
23 safety edge in CLOSING	23 24
24 safety edge in CLOSING	T T
J5 = input second radio channel jack	J5

3.1 LIMIT SWITCH WIRING

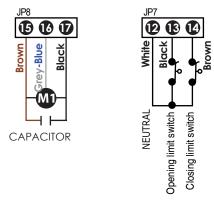
Wiring has to be carried out according to the motor position. Follow the wiring diagram carefully.

MOTOR + MECHANICAL LIMIT SWITCH WIRING

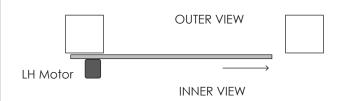
Motor positioned on the RIGHT (inner view)



By default the operator is supplied pre-wired as shown in the picture, positioned on the right.



Motor positioned on the LEFT (inner view)

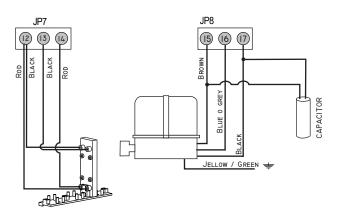


Il the motor is positioned on the left, switch SW2 dip no.1 = ON

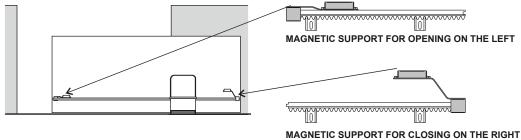
(the limit switch turns automatically. No connections are needed)

MOTOR + MAGNETIC LIMIT SWITCH WIRING 3.1.2

Connections for motor positioned on the right side of the gate (inner view)



POSITIONING THE MAGNETIC LIMIT STOPS: Motor on the right of the gate, opening to the left (inner view)

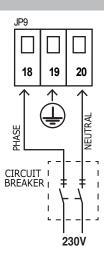


If the motor is positioned on the left, switch SW2 dip 1 = ON

3.2 MAIN POWER

The main line must be protected by a proper CIRCUIT BREAKER.

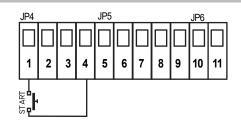
Connect the line 230V to **18-19-20**, terminal **JP9**, fulfilling the polarity (18 PHASE – 19 EARTH – 20 NEUTRAL)



3.3 START DEVICES

Wire the START contact (N.O. contact) to 1 - 4, terminal JP4.

An additional START contact can be wired in PARALLEL (N.O. contact)

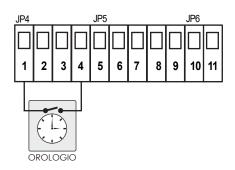


3.3.1 TIMER

It is possible to wire a **TIMER** (N.O. contact) to **1-4**, terminal JP4.

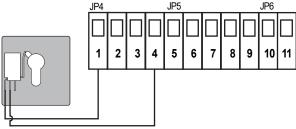
ATTENTION!:

when connecting a TIMER, the multi-users function must be enabled. SW1 DIP 2 = ON



3.3.2 KEY SWITCH

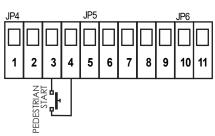
Wire the **KEY SWITCH** (N.O. contact) to **1-4**, terminal **JP4**.



3.4 PEDESTRIAN OPENING

Wire the PEDESTRIAN START (N.O. contact) to 3-4, terminal JP4.

An additional **PEDESTRIAN START** contact can be wired in PARALLEL (N.O. contact).



3.5 EMERGENCY STOP BUTTON

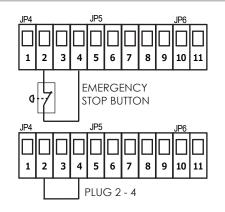
Wire the STOP BUTTON (N.C. contact) to 2-4, terminal JP4.

An additional STOP BUTTON contact can be wired in SERIES (N.C. contact)



The EMERGENCY STOP BUTTON is important for the safety of people and objects

N.B.: To desable the STOP BUTTON during installation, plug 2 and 4 together.



3.6 PHOTOCELLS

3.6.1 Photocells IN CLOSING

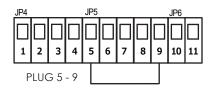
Feed the photocells through **7-8-9**, terminal **JP5**. Wire the photocell contact (N.C. contact) to **5-7**, terminal **JP5**. An additional photocell set can be wired in **SERIES** (N.C. contact).

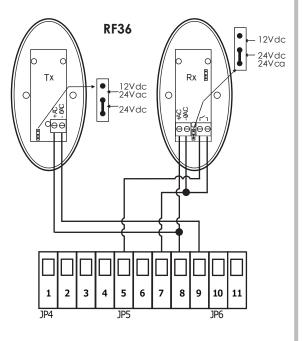
- If the photocell beam is broken during **CLOSING**, the gate stops and reverses after 1,5 sec.
- If the photocell beam is broken during **OPENING**, the gate keeps on working normally.



The PHOTOCELLS IN CLOSING are important for the safety of people and objects.

N.B.: To desable the photocell in closing during installation, **plug 5 and 9 together**.





3.6.2 Photocells in OPENING

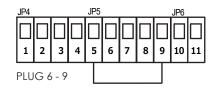
Feed the photocells through **7-8-9**, terminal JP5. Wire the photocell contact (N.C. contact) to **6-7**, terminal **JP5**. An additional photocell set can be wired in **SERIES** (N.C. contact).

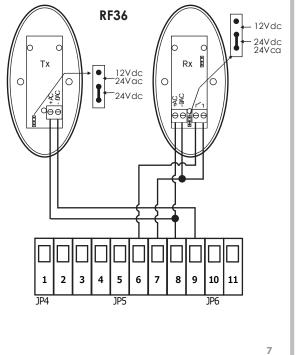
- If the photocell beam is broken during OPENING, the gate stops and reverses for 3 sec



The PHOTOCELLS IN OPENING are important for the safety of people and objects..

N.B.: To desable the photocell in opening during installation, plug 6 and 9 together.





3.7 SAFETY EDGE

3.7.1 Mechanical safety edge in CLOSING

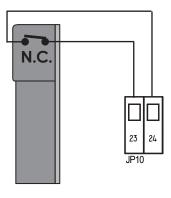
Wire the safety edge to 23 - 24, terminal JP10.

- If the contact is broken during CLOSING, the gate stops and reverses.
- If the contact is broken during **OPENING**, the gate keeps on working normally

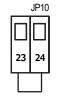
Mechanical safety edge + photocells in CLOSING

Wire the safety edge and the N.C. contact of the photocell in series.

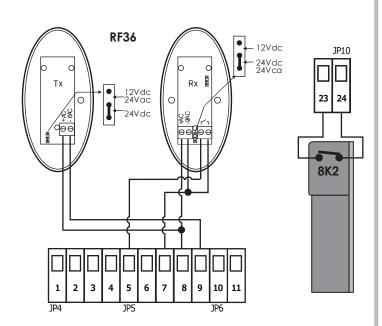
- If the contact is broken during CLOSING, the gate stops and reverses.
- If the contact is broken during **OPENING**, the gate keeps on working normally.



N.B.: To disconnect the safety edge temporarily **plug 23 and 24 together**.



PLUG 23 - 24



3.7.2 Mechanical safety edge in OPENING Wire the safety edge to 6 – 9, terminal JP5.

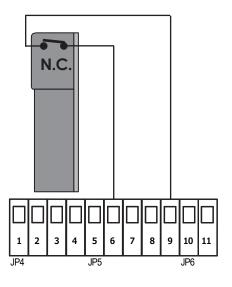
• If the contact is broken during **OPENING**, he gate stops and reverses after 3 sec.

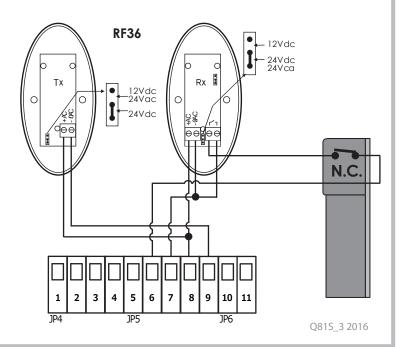
 If the contact is broken during CLOSING, the gate keeps on working normally.

Mechanical safety edge + photocells in OPENING

Wire the safety edge and the N.C. contact of the photocell in series.

- If the contact is broken during **OPENING**, the gate stops and reverses after 3 sec.
- If the contact is broken during **CLOSING**, the gate keeps on working normally.





3.7.3 8K2 RESISTIVE SAFETY EDGE IN CLOSING (cut the power off before proceeding)

ATTENTION!:

PWire the **8K2** safety edge to **23 - 24**, terminal **JP10**. Press **SET + SET TX** together and feed the control panel.

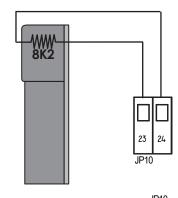
- If the contact is broken during CLOSING, the gate stops and reverses.
- If the contact is broken during OPENING, the gate keeps on working normally.

8K2 SAFETY EDGE + PHOTOCELLS IN CLOSING (cut the power off before proceeding)

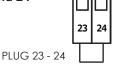
ATTENTION!:

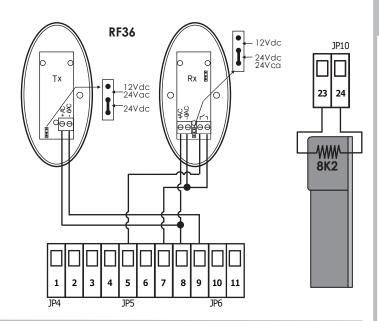
Wire the **8K2** safety edge to **23 - 24**, terminal **JP10**. Press **SET + SET TX** together and feed the control panel

- If the contact is broken during **CLOSING**, the gate stops and reverses.
- If the contact is broken during OPENING, the gate keeps on working normally.



N.B.: To disconnect the safety edge temporarily **plug 23 and 24 together.**





3.7.4 8K2 RESISTIVE SAFETY EDGE IN OPENING (cut the power off before proceeding)

ATTENTION!:

Wire the **8K2** safety edge to **6 - 9**, terminal **JP5**. Press **SET + SET TX** together and feed the control panel.

- If the contact is broken during **OPENING**, the gate stops and reverses for 3 sec.
- If the contact is broken during **CLOSING**, the gate keeps on working normally

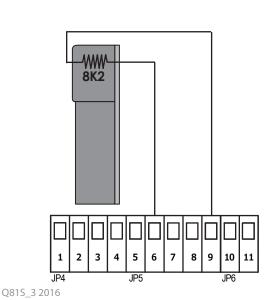
8K2 SAFETY EDGE + PHOTOCELLS IN OPENING (cut the power off before proceeding)

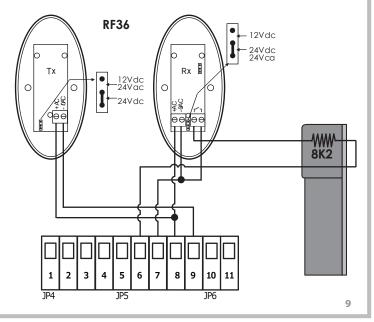
ATTENTION!:

Wire the **8K2** safety edge contact in series to the N.C. contact of the photocell.

Press **SET + SET TX** together and feed the control panel.

- If the contact is broken during **OPENING**, the gate stops and reverses for 3 sec.
- If the contact is broken during CLOSING, the gate keeps on working normally.

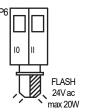




3.8 FLASHING LIGHT

EWire the flashing light (max 20W) to 10-11, terminal JP6.

- QUICK blinking
- $\rightarrow \text{OPEN}$
- **SLOW** blinking
- \rightarrow CLOSE
- **FIXED** light on
- → PAUSE



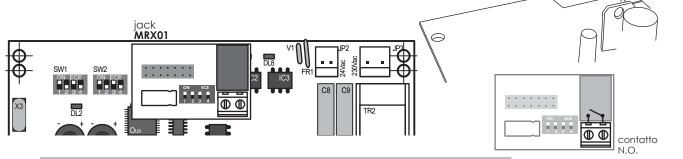
slideway

3.9 HOW TO PLUG THE 2nd RADIO CHANNEL JACK



ATTENTION!: CUT THE POWER OFF BEFORE PLUGGING THE INTERFACE

Plug the MRX01 jack (optional) onto connector J5, respecting the slot orientation.



3.9.1 Auxiliary radio channel AUX

To use the MRX01 interface as second radio channel, proceed this way (see section 7.4):



Before setting the dip-switch SW1, make sure the power is OFF

MONOSTABLE COMMAND

The contact ACTIVATES when giving a start command by the remote control. If you wish to choose this function mode, select the switches as follows:

1 = ON 2 = OFF 3 = OFF 4 = NO EFFECT



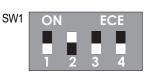
MRX01

BISTABLE COMMAND

IThe contact ACTIVATES or DESACTIVATES every time you press the remote control.

If you wish to choose this function mode, select the switches as follows:

1= OFF 2 = ON 3 = OFF 4 = NO EFFECT

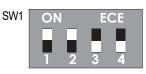


TIMED COMMANDA

The contact ACTIVATES when giving a start command by the remote control and **stays for 90 seconds**.

If you wish to choose this function mode, select the switches as follows:

1 = ON 2 = ON 3 = OFF 4 = NO EFFECT

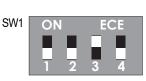


3.9.2 Signalling LIGHT

TThe contact ACTIVATES at OPENING and DESACTIVATES only at FINAL CLOSING POSITION.

If you wish to choose this function mode, select the switches as follows:

1= OFF 2= OFF 3= ON 4 = NO EFFECT

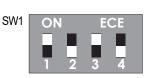


3.9.3 Courtesy LIGHT

The contact ACTIVATES at OPENING and DESACTIVATES after 90 from complete duty cycle.

If you wish to choose this function mode, select the switches as follows:

1= ON 2= OFF 3= ON 4 = NO EFFECT



DEFAULT SETTINGS 4.

LThe control panel is supplied with a DEFAULT SETTINGS: working time, slow down and automatic closing for a standard gate.

To reload the DEFAULT SETTINGS:

- Press BREAK to cut the power OFF and to turn it ON
- Turn SENS to the maximum (+) and POWER to half position

BROWSING THE MENU 5.







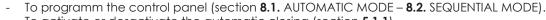












To activate or desactivate the automatic closing (section 5.1.1)













To store or to delete a radio code.





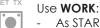


SET TX Use SET TX:











For SEQUENTIAL PROGRAMMING











BREAK

Use BREAK: To activate and set the AUTOMATIC CLOSING TIME (section 5.1.1)

FUNCTIONS MENU 5.1

5.1.1 AUTOMATIC CLOSINGA

The **AUTOMATIC CLOSING DEFAULT** is set at 3 sec.

To set the AUTOMATIC CLOSING TIME:

- Press SET for 3 sec. DL1 blinks, release SET.
- Press **BREAK** and release.
- The blinker and led **DL1** light up, the control panel starts the count down.
- Press **BREAK** again when reached the desired time, the blinker turns off. The time has been set (automatic closing time max. 120 sec.).

To desactivate the AUTOMATIC CLOSING:

- Press **SET** for 3 sec. and release, the led **DL1** blinks.
- Press BREAK and hold for 5 sec., the AUTOMATIC CLOSING has been deactivated.

5.1.2 8K2 RESISTIVE SAFETY EDGE INPUT (cut the power off)

To activate the 8K2 input as safety in opening and closing press SET + SET TX and turn the control panel on.

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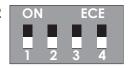
6. OPERATION MODE

Choose the operation mode you wish selecting the switches SW1 – SW2. The control panel is supplied with the following default settings.

SW1



SW



SOFT START
MOTOR TEST
PHOTOCELL TEST

How to read switch positio:



WHITE switch **DOWNWARD** = Function OFF



WHITE switch UPWARD = Function ON



ATTENTION: Turn the power off before setting the switches

SWITCH SW1

dip n° 1



ON

OFF = MULTI OCCUPATION mode DEACTIVATED

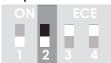


ON = MULTI OCCUPATION mode ACTIVATED

OFF

This function gives priority to the first open command. The control unit won't accept additional START commands during OPENING and AUTOMATIC CLOSING COUNT DOWN.

dip n° 2



ON

OFF = Soft start mode DEACTIVATED

At opening motors work at the set thrust (POWERO)



ON = Soft start mode ACTIVATED

At opening motors perform at maximum thrust for 1,5 sec., to continue after at the set thrust

OFF

dip n° 3



ON

OFF = Motor and photocell TEST DEACTIVATED



ON = Motor and photocell TEST ACTIVATED

OFF

dip n° 4



ON

OFF = Immediate closing mode DEACTIVATED



ON = Immediate closing mode ACTIVATED

The gate starts CLOSING after 1,5 sec. bypassing the AUTOMATIC CLOSING COUNT DOWN

OFF

SWITCH SW2

dip n° 1



ON

OFF = **= Motor positioned on the RIGHT** (Default)



ON = Motor positioned on the LEFT

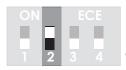
OFF

dip n° 2



ON

OFF = **MECHANICAL limit switch** (Default)



ON = MAGNETIC limit switch

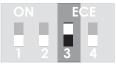
OFF

 $dip \; n^\circ \, 3$



ON

OFF = Standard slow down (Default)



ON = Soft slow down ACTIVATED

OFF

dip n° 4



ON

OFF = **Mantained action DEACTIVATED** (Default)



ON = Maintained action ACTIVATED

OFF

7. LOADING RADIO CODESO

The control panel DOESN'T ALLOW TO LOAD any remote control if SAFETY DEVICES are DISCONNECTE.

Make sure inputs no. 2 STOP (DL5), no. 5 photocell in CLOSING (DL7), no. 6 photocell in OPENING (DL8) and no. 23 SAFETY EDGE IN CLOSING (DL3), are connected.

LED OFF = input DEACTIVATED
LED ON = input ACTIVATED

If one or more safety devices are not wired, proceed to **TEMPORARY DISCONNECTION**, see section 3.5 / 3.6 / 3.7)

The control panel has been designed to operate with fixed code or rolling-code remote controls. Choose the remote control you wish to store carefully: once the remote control has been loaded and memorized, the control panel shall only recognize that kind of radio code without possibility of reset.

Before starting proceed to delete all existing radio codes.

7.1 DELETING EXISTING RADIO CODES

- Press **SET-TX** and keep pressed for 10 seconds (**DL1** blinks).
- DL1 turns off. All codes have been deleted.

7.2 LOADING A REMOTE CONTROL AS START COMMAND

- Press **SET-TX** once: **DL1** blinks (1 blink stop 1 blink)
- Load within 5 sec. the remote control you wish to store.

The control panel has stored the radio code and goes out the programming automatically. It is possible to load until 32 different radio codes (Start + Pedestrian + 2° radio channel).

7.3 LOADING A REMOTE CONTROL AS PEDESTRIAN COMMAND

- Press SET-TX twice. DL1 blinks (2 blinks stop 2 blinks)
- Load within 5 sec. the remote control you wish to store.

The control panel has stored the radio code and goes out the programming automatically.

7.4 LOADING A REMOTE CONTROL AS 2° RADIO CHANNEL COMMAND (MRX01 jack)

- Press **SET-TX** three times. **DL1** blinks (3 blinks stop 3 blinks)
- Load within 5 sec. the remote control you wish to store.

The control panel has stored the radio code and goes out the programming automatically.

8. PROGRAMMING

The control panel is supplied with a SEQUENTIAL PROGRAMMING DEFAULT (obstacle detection excluded)

ATTENTION

Before starting PROGRAMMING make sure mechanical ground stops have been properly fitted.

8.1 AUTOMATIC mode

8.1.1 AUTOMATIC mode with OBSTACLE DETECTION

ATTENTION!:

Before proceeding to programming, start a functional cycle test to proof the motor's thrust. The thrust has to be proper to the gate weight no matters if light or heavy gates.

If adjustments are needed, regulate POWER so that the gate doesn't stop opposing a light contrast pressure.

- Start programming with cool operator.
- The AUTOMATIC MODE PROGRAMMING can only perform if mechanical ground endstops are fitted, in Opening and Closing
- Gate in **CLOSING POSITION**.
- **SENS** in half position.
- If during programming the gates stop before reaching the ground endstops, turn SENS (sensitivity) clockwise (to +).
- Press **SET** and keep pressed for 10 sec., **DL1** starts blinking.
- When motor starts working release **SET**.
- Motor runs firstly a FULL OPENING till reaching the limit switch in opening.
 Then it starts CLOSING till reaching the closing limit switch.
- When the procedure is finished, all time settings are saved. The control panel is now ready for normal operation.

ATTENTION!:

Check the proper GATE OPERATION SENSITIVITY.

If adjustments are needed, turn SENS clockwise (to +) and regulate accordingly.

The sensitivity has to be proper in order to prevent uncorrect operation.

OBSTACLE DETECTION OPERATION

- If an obstacle is detected in opening, the gate stops and reverses for 10 cm.
- The gate starts closing automatically after 30 sec., and this will be for 3 attempts. If the area still remains unclear the gate stays open.
- If an obstacle is detected in closing, the gate stops and reverses till fully open.
- The gate **starts closing automatically after 30 sec.**, and this will be for 3 attempts. If the area still remains unclear the gate stays open.

8.2 SEQUENTIAL MODE

8.2.1 SEQUENTIAL mode WITHOUT Obstacle Detection

ATTENTION!:

Before proceeding to programming, start a functional cycle test to proof the motors' thrust. The thrust has to be proper to the gate weight no matters if light or heavy gates.

If adjustments are needed, regulate POWER so that the gate doesn't stop opposing a light contrast pressure.

- Start programming with cool operator.
- The AUTOMATIC MODE PROGRAMMING can only perform if mechanical ground endstops are fitted, in Opening and Closing
- **SENS** in maximum position (to +)
- Programming can be carried out both with the remote control or **WORK button**.
- Press **TEST** for 3 sec., **DL1** starts blinking, release.
- Press the button of the remote control previously loaded. The gate **STARTS OPENING**.
- At 80% of opening press the remote control to start **SLOW DOWN** till reaching the opening limit switch.
- Now operational settings are **LOADED**.
- The gate starts closing until reaching the closing limit switch.
- When the procedure is finished, all time settings are saved, the control panel goes out from the sequential programming and is ready for normal operation.

Check the good operation of the gate. If time settings need to be adjusted go back to programming and repeat the whole programming procedure.

9. TROUBLE SHOOTING - ERROR MESSAGES

The control panel is designed to display errors through a LED lighting system. Here below the trouble shooting table.

Led	Error	possible cause	Solution
DL9	OFF	Closing limit switch ACTIVATED	Release and open the gate manually, the LED must turn on.
DL1	2 blinks, stop, 2 blinks	Photocell test	Check the wiring and operation of the photocell.
	3 blinks, stop 3 blinks	Motor test	Check the wiring and operation of the motors.
	OFF	Power supply disconnected	Check the connection to the power supply (230V).
DL4	ON	Permanent START command	Check the operation of the ACCESSORIES wired to the START (N.O. contact, see section 3.3).
DL5	OFF	STOP button disconnected.	Check the wiring otherwise deactivate the input (see section 3.5)
		Incorrect wiring.	Check the wiring diagram (see section 3.5)
DL7	OFF	Photocell in closing non-aligned.	Check the photocell alignment.
		Obstacle detected between the photocel.	Check and remove the obstacle.
		Incorrect electric wiring.	Check the wiring diagram.
		Disconnected photocell.	Check the power connection.
		Disconnected photocell active input.	Disable the photocell input (see section 3.6)
		Disconnected safety edge.	Check the connection (N.C.) and the good operation of the safety edge.
DL8	OFF	Photocell in opening non-aligned.	Check the photocell alignment.
		Obstacle detected between the photocel.	Check and remove the obstacle.
		Incorrect electric wiring.	Check the wiring diagram.
		Disconnected photocell.	Check the power connection.
		Disconnected photocell, active input.	Disable the photocell input (see section 3.6)
DL6	ON	Permanent PEDESTRIAN command.	Check the operation of the ACCESSORIES wired to the PEDESTRIAN START (N.O. contact).
DL10	OFF	Opening limit switch ACTIVATED.	Release and close the gate manually, the LED must turn on.
		Incorrect electric wiring.	Check the wiring diagram and the good operation of the micro switch in opening.
DL3	OFF	Bordo sensibile non collegato.	Check the wiring.
		Faulty safety edge.	Check the safety edge conditions.

