

**IMPORTANT**

For permanently connected equipment this device must be incorporated in an accessible cable system easy to disconnect.

TECHNICAL SPECIFICATIONS

Power supply	230V ac $\pm 10\%$
Engine power	0.45hp
Running time	2 minutes 30 seconds
Closing time programmable	programmable 3 minutes
Combination codes	72 million codes
Memory capacity	up to 31 codes
Programming codes	self-teaching
Setting functions	stores the function code
Frequency	433.92 Mhz
Homologations	ETS 300-220 / ETS 300-683
Sensitivity	Greater than -100 dBm
Scope	standart 70 m
Antenna	Built-in
Operating temperature	de 0°C a 70°C

DESCRIPTION

Single-phase control panel for roll-up doors. Compatible with Vario radio transmitters.

Inputs protected by zener diode. Protection of main feed and motor with fuse 6A. LED indicator. Alternative button and safety contact input.

INSTALLATION

Be sure mains are disconnected before proceeding with the installation.

DESCRIPTION OF TERMINALS

Power:

1. Supply 230V ac -
2. Supply 230V ac -
3. Closing motor -
4. Opening motor -
5. Common motor -
6. Power supply +12 VDC -
7. Power Supply -12 VDC

OPERATION

8. Safety contact
9. Common motor
10. P. Alt. Alternative button (N.O.)

N.C. Normally closed – N.O. Normally open

OPERATION

You can start the operation by means of a transmitter or an alternative button. The operation ends due to the following conditions: activation of door limit switches or end of operating time. The door limit switches do not have connection with the control panel. The operating time is programmable up to a maximum of 2 minutes and 30 seconds, considering this a safety time.

In addition, the automatic closing time is programmable up to a maximum of 3 minutes and it adjusts the waiting time before executing automatically the closing operation. The alternative button and the transmitter accomplish the same function. If the door is opening, when we press the transmitter button or the alternative one, it stops, if we press it again it closes, if we press it again it stops and if we press it one more time it closes again, and so on.

OPTIONS SELECTION

I1 Select Timer / Auto closing

ON timed automatic closing. OFF Automatic closing off.

I2 Timer programming

ON programming operation time (I1 OFF). Programming closing time (I1 ON).
OFF time programming disabled.

I3 Radio programming

ON radio programming for new transmitters enabled. OFF radio programming disabled

I4 Dead Man

ON For closing operation press and hold the alternative button or the transmitter otherwise the movement stops. OFF Normal operation.

Programming automatic closing time

It can be carried out only if the door is in rest position. First, place the switch I1 and I2 to ON, then the programming starts by pressing the start button or a previously programmed transmitter and ends by pressing again the start button or a transmitter.

The time between the two impulses will be set. A buzz and a light will indicate the beginning and end of programming.

Programming operating time

It can be done only after you close the door with the start button or a previously programmed transmitter. Once you set the program with the switch I2 to ON and I1 to OFF, the programming starts by pressing the start button or a previously programmed transmitter. A buzz and a light signal indicate the beginning of the programming and the door will open up to the corresponding limit. Once opened, we give the closing command by pressing the start button or the transmitter until the door reaches the limit of closure, moment in which a buzz and a light will indicate the end of programming. At the operating time, a margin of 3 seconds must be added before stopping in order to ensure full operation of the door.

Reset

If, for any reason, it is necessary to retrieve the operating time and the automatic closing factory-programmed, you must follow the process indicated below:

- 1.- Disconnect the power supply 220V
- 2.- Set the selector switches in the following location:
I1 = OFF
I2 = ON
I3 = OFF
I4 = ON
- 3.- Remove any cable connected to terminal 9.
- 4.- Power up the control unit to 220V

A buzz indicates that the process is complete. Restore the wires connected to terminal 9 and replace the switches in the same position they were before starting the process.

STORING TRANSMITTER CODE

To store the codes of the transmitters, the control unit must be in a stable condition and the door closed.

a) Manual Storing

To store a code, press the program button PROG/RES until the buzzer is on. The red LED lights on, and when the button is released, the LED keeps lit indicating that the device is ready to store the code of the transmitter. From this moment on, any code will be stored. To do this press the transmitter function with which we want to enable the automatism. The red LED, accompanied by the buzz begins to flash confirming the execution of the storage. After 10 seconds of the last reception of a code, the unit will automatically exit the storage mode by turning off the red LED and emitting two short beeps.

b) Storing via radio transmitter

To use this system, you must have previously stored at least one code with the system a).

Press the special function of a previously stored transmitter because the device enters the code sequence, the red LED lights and activate the buzzer. From this moment, any code received with the same function, with which you have stored the transmitter used with the special function, will be stored.

To do this, press the transmitter with the same previously function stored by the transmitter used for this system. To store any other function (button) use the system a). We will get confirmation of storage by means of light flashing red LED and a short beep. The control panel will automatically exit the storage mode after 10 seconds of the last reception of a code, turning off the red LED and emitting two short beeps. You can force the exit before time by pressing the special function of a transmitter memory.

CANCELLATION OF ALL CODES

The reset of memory causes the cancellation of all codes. Press SET/RES for 4 seconds. It produces a blasting of red flashing lights and a beep indicates the cancellation of all previously stored codes. The unit will remain in the learning sequence of codes waiting to memorize new ones.

FULL MEMORY INDICATION

If you have run out of memory and, after storing 31 different codes, you try to store new codes, the LED will flash red and you will hear a series of beeps for 10 seconds when trying to introduce a new code.

AFTER SALES SERVICE

TERMS OF GUARANTEE

Automatismos guarantees its automatismos, electrical equipments and accessories against any manufacturing fault for a period of 2 years from the date of supply.

LIABILITIES Automatismos undertakes to repair equipment under guarantee, prior revision by our technical department.

All equipment delivered urgently before our technical staff confirms it is still under guarantee, will be considered as a standard order and charged. The defective equipment replaced under warranty will remain the property of Automatismos

The installer will provide the replacement of such equipment.

The shipment of goods under guarantee will be on Automatismos account.

CANCELLATION

The guarantee is not covered in the following cases:

- The incorrect choice of equipment due to the characteristics of the door.
- The installation and connection instructions not followed.
- The actuator has been connected to electrical equipment or accessories not approved by Automatismos
- The actuator has been opened, removed and altered.
- The actuator has been used for purposes other than those for which it was designed.
- The material has not been paid.

Automatismos

CANNOT BE HELD RESPONSIBLE FOR INSUFFICIENT OR INADEQUATE SAFETY MEASURES THAT CONSEQUENTLY CAUSE DAMAGE TO PERSONS OR OBJECTS DURING THE INSTALLATION OF THE EQUIPMENT. IN ADDITION TO SECURITY SYSTEMS ALREADY BUILT IN THE ACTUATORS, WE ALSO RECOMMEND INSTALLING OTHER ACCESSORIES SUCH AS: PHOTOCELLS, PNEUMATIC BANDS ETC. IN ACCORDANCE WITH THE APPLICABLE RULES OF LAW.