

Electronic Control Unit

Electronic control unit for the automation of a projection screen, with MX14 Radio current sensor functioning.

TECHNICAL DATA

- Power supply: 230V~ 50/60Hz 600W max.
- Motor output: 230V~ 500W Max.
- Working temperature: -10÷55°C
- Narrow band radio receiver: 433.92 MHz
- Compatible radio-controls: MX14 – Rolling Code
- Amount of Radio-controls that can be memorised: 14 Max.
- Board dimensions: 65 x 40 x 25 mm.

CONNECTIONS OF THE CN1 TERMINAL BOARD

- 1: Earth connection input.
- 2: Earth connection input.
- 3: 230V~ Line input (Phase).
- 4: 230V~ Line input (Neutral).
- 5: Ascent Motor Output.
- 6: Common Motor Output.
- 7: Descent Motor Output.

INITIAL FUNCTIONING CONDITION

The device can only work coupled with one or more MX14 Radio current sensor.

Upon first ignition, the control unit does not contain any Radio current sensor code in the memory.

FUNCTIONING WITH RADIO CURRENT SENSOR

The control unit used coupled with the MX14 Radio current sensor will allow to manage distinct controls, the first for the Descent until time expires (when the controlled projector is on) and the second for the ascent until time expires (when the controlled projector is off or in stand by) of the projection screen.

PROGRAMMING KEYS AND INDICATOR LED

SEL Key: selects the type of function to memorise, the choice is indicated by the flashing of the LED. By repeatedly pressing the key, it is possible to position oneself on the desired function. The selection remains active for 15 seconds, displayed by the flashing LED, after which the control unit returns to the original status.

SET Key: carries out the programming of the function chosen with the SEL key.

Indicator LED

- LED on: option memorised.
- LED off: option not memorised.
- LED flashing: option selected.

----- MAIN MENU -----		
LED Reference	LED Off	LED On
1) CODE	No code	Pgm. code
2) MOT. T.	Motor time 3 min.	Pgm. Motor Time

- 1) **CODE** (Programming of the MX14 Radio current sensor to function the Projection screen)

Programming of the MX14 current sensor:

The programming of the transmission codes of the MX14 Radio current sensor is carried out as follows: press the SEL key, CODE LED will start to flash, simultaneously send the chosen code of the MX14 Radio current sensor: the CODE LED will remain on and the programming will be complete. If no code is sent within 10 seconds, the control unit exits the programming phase. In case all 14 available codes have been memorised, by repeating the programming operation, all indicator LEDs will start to flash very fast, indicating that further memorising is not possible.

Deletion:

The deletion of all memorised codes for the functioning of the Projection screen control unit is carried out as follows: press the SEL key, the CODE LED will start to flash, subsequently press the SET key, the CODE LED will switch off and the procedure will be complete.

- 2) **MOT. T.** (Motor Time Programming max 4 minutes)

The control unit is provided with motor power time equal to three minutes (LED T.MOT. OFF).

The programming of the motor time must be carried out with fastening down as follows:

Position yourself with SEL key on flashing of MOT. T. LED and press the SET key continuously, the Screen for projections will start Descent, upon reaching the wanted point, release the SET key. At this point the memorisation of the motor time will be determined and the MOT. T. LED will remain switched on. In case of wanting an infinite motor time, follow the same programming procedure, keeping the SET key pressed continuously for less than two seconds the MOT. T. LED. IT IS possible to repeat the operation in case of incorrect programming.

RESET

In case it is necessary to reset the control unit default factory configuration, press the SEL and SET keys together so that all indicator LED switch on and off at the same time.

IMPORTANT FOR THE INSTALLER

The control unit has been designed to allow the installer to automate fastening in order to submit to regulatory prescriptions in force. The effective compliance with the obligations and achievement of the minimal safety requirements are, however, the responsibility of the installer.

Installation must be carried out in compliance with EN 60335-2-97 "Safety of household and similar electrical appliances" part 2 "Particular requirements for drives for rolling shutters, awnings, blinds and similar equipment".

- The control unit must be permanently connected to the power supply network and not have any type of sectioning device of the 230Vac electric line, it will therefore be under the care of the installer, to provide the plant with a sectioning device. It is necessary to install a single-phase switch with over-voltage category III. It must be positioned so as to be protected against accidental closures.

- For connections (power supply, motors output), use flexible cables under insulating sheath in harmonised polychloroprene (H05RN-F) with minimum section of the conductors equal to 0.75 mm².

- The connection cables must be fixed by assembling cable clamps supplied with the product.

■ For a correct functioning of the radio receiver, in case of using one or more control units, the installation at a minimum distance of at least 3 meters one from the other is recommended.

Attention

All operations which require the opening of the casing (cables connection, programming, etc.) must be carried out by expert personnel during installation. For any further operation which requires the casing to be re-opened (re-programming, repair or installation amendments) contact the after-sales assistance.

STATEUROP declares that the product:

MC7

is in compliance with the specifications of R&TTE Directives 99/5/EC, EMC 2004/108/EC, LVD 2006/95/EC Directives.



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IMPORTANT FOR THE INSTALLER

- The device must never be used by children or persons with reduced physical-psychological abilities, unless supervised or trained on the functioning and the use modalities.

- Do not allow children to play with the device and keep the radio-controls away from their reach.

- ATTENTION: keep this instruction manual and respect the important safety prescriptions contained herein. The non compliance with the prescriptions may cause damages and serious accidents.

- Frequently examine the plant to detect any signs of damaging. Do not use the device if a repair intervention is necessary.

