

Electronic Central MC8



Electronic central, for the automation of awnings, with option to connect a tuned courtesy light, operating via Radio commander and Wireless Sensor (Sun/Wind/Rain).

TECHNICAL CHARACTERISTICS

- Supply: 230V~ 50/60Hz 1100W max.
- Exit motor: 230V~ 500W Max.
- Exit Courtesy light: 230V~ 500W Max.
- Working temperature: -10+55°C
- Radio receiver: 433,92 MHz
- Compatible radio commanders: 12-18 Bit - Rolling Code
- Nr memorisable Radio commanders: 7 Max.
- Number memorisable Wireless Sensors: 1 Max.
- Dimensions: 110 x 55 x 25 mm.

CONNECTIONS TERMINAL BOX CN1

- 1: Input connection Aarding.
- 2: Input line 230V~ (Phase).
- 3: Input line 230V~ (Neutral).
- 4: Exit Motor Up.
- 5: Exit Motor General.
- 6: Exit Motor Down.
- 7: Exit Courtesy light 230V~ (Neutral).
- 8: Exit Courtesy light 230V~ (Phase).

CONNECTIONS TERMINAL BOX CN2

- 1: Input mass antenna.
- 2: Input pole antenna.

INITIAL OPERATING MODE

The device is operational only in combination with one or more radio commanders; upon switching on the central for the First time, not a single radio commander code is stored in the memory.

OPERATING AWNING WITH SEVERAL RADIO COMMANDERS

IT is possible to program several models of radio commanders: by saving one code (1 key) a cyclic operating Step - Step is obtained (Up - Stop - Down), by saving two different codes (2 keys) two different commandos are set up, the first for Up and the second one for Down.

Operating Awning with radio commander 1 Key :

By operating the radio commander with one single key, the functioning is executed as follows: the first impulse activates the movement Up until timeout of the motor. The second impulse activates the movement Down of the guiding systems; if this impulse is made before the timeout of the motor, the central will stop the guiding system, a next impulse has the motor restart in the opposite direction.

Operating Awning with radio commander 2 Keys :

By operating the radio commander by means of 2 keys, the functioning is executed as follows: the first key ("Up" associated with the movement up) operates Up until timeout motor and the second key ("Down" associated with the movement Down) operates the movement Down of the guiding system. If a new command occurs during the movement Up, the central will proceed with the movement Up, whereas if a commando Down occurs, the central will stop the movement.

The same principle applies to the phase Down.

INVERSION OF THE ROTATION MOVEMENT

Whenever it occurs during the commando (Up) of the radio commander the central associates the movement down instead of up for the guiding system, one simply needs to repeat the programming procedure by pressing the key (Down) instead of (Up), or by inverting the cables Up and Down at the motor.

CENTRALIZING A GROUP OR GENERAL

Centralizing via radio by means of radio commanding

Centralizing one or more centrals via radio allows you moving Up or Down simultaneously several Awnings.

Centralizing is done by the input of the same codes of a radio commander (keys) at all of the centrals or a Group, located at a distance of maximum 20 meters away from the commanding point, so as to become a general or partial movement of several automations. In order to obtain a satisfying result of the centralization, the place where to install should be chosen with utmost care. The range not only depends on the technical characteristics of the device, but varies also according to the radio electrical conditions of the location.

FUNCTIONING COURTESY LIGHT BY RADIO COMMANDER

It is also possible to programme an additional code (1 key) for radio commanding, to operate from a distance switching of a lamp 230Vac connected to the terminal box (8 - 9) CN1 on and off.

Important: each time the awning has been pulled up completely, the central will always switch off the courtesy light.

PROGRAMME KEYS AND SIGNALLING LED'S

Key SEL: select the type of function to be saved, the choice is indicated by a blinking Led. By pressing several times on the key, the function of your choice can be selected. The selection remains active for 15 seconds, indicated by a blinking LED, where after the central returns to the initial mode.

Key SET: executes programming the function, selected with the key SEL.

Signalling Led's

Led on: option saved.

Led off: option not saved.

Led blinking: option selected.

| ----- MAIN DMENU ----- | | |
|------------------------|-------------------|--------------------------|
| Reference | Led Off | Led On |
| 1) CODE | No code | Code Pgm. |
| 2) CODE LAMP. | No code | Code Courtesy light Pgm. |
| 3) T. MOT. | Time motor 3 min. | Time Motor Pgm. |

- 1) **CODE** (Programming radio commander for operating the Awning and Wireless Sensor)

Programming radio commander 1 or 2 Keys and Wireless Sensor:

Programming codes for transmission of the radio commander is executed as follows: press the key SEL, LED CODE starts blinking, at the same moment send the previously chosen code with the radio commander of your choice: the LED CODE starts blinking very quickly, send the second code to be saved, LED CODE remains on and programming is completed. If the second code is not sent within 10 seconds, the central will quit programming mode, and selects operating the Awning with one single key of the radio commander. If all 7 codes have been saved, in case of a successive programming the signalling LEDs start blinking very quickly to indicate that further saving is no longer possible.

Programming Wireless Sensor (Sun/Wind/Rain):

For saving a Wireless Sensor, proceed as described above for programming a radio commander with 1 single key.

Maximal memorisable number of Wireless Sensors:

The central allows saving one single Wireless Sensor; if the programming is repeated for a new Wireless Sensor, the previously saved old code gets lost irreversibly.

Signal no communication Sensor:

If there is no communication any more between the Wireless Sensor and the central, pulling up the guiding system will be activated automatically after 20 minutes for security reasons. If communication is not restored, further commands and in any case the central will be brought into security mode.

Delete:

To delete all saved codes for operating the Awning (Radio commanders and Wireless Sensors), proceed as follows: press the key SEL, LED CODE starts blinking, then press the key SET, LED CODE goes out and the procedure is completed.

2) CODE LAMP (Programming radio commander for operating the Courtesy light)

Programming radio commander:

Programming codes for transmission for radio commanding is done as follows: press the key SEL, LED CODE LAMP starts blinking, send at the same time the previously chosen code with the radio commander of your choice, LED CODE LAMP remains on and programming is completed. If all 7 codes have been saved, in case of a successive programming the signalling LEDs start blinking very quickly to indicate that further saving is no longer possible.

Delete:

To delete all saved codes for operating the Courtesy light, proceed as follows: press the key SEL go to the blinking lamp of the LED CODE LAMP, then press SET, LED CODE LAMP goes out and the procedure is completed.

3) T. MOT. (Programming Time Motor max 4 minutes)

The central is equipped with a timer to supply the motor, equal to three minutes (LED T.MOT. OFF).

Programming time motor has to be done with guiding system down as follows:

Proceed with the key SEL towards the blinker LED T.MOT and press the key SET continuously, the guiding system starts going up, upon reaching the intended position release the key SET, at the same time saving time motor is stopped and the LED T.MOT remains on.

If an automation with control stop is used, we advise to set up a time reaching some seconds later than the moment the guiding system attains the control stop.

If an infinite time motor is needed, proceed in the same way as above, but press the key SET less than two seconds continuously, the LED T.MOT remains on and programming an infinite time is completed. It is possible to repeat the operation in case there is an error at programming.

| ----- EXTENDED MENU ----- | | |
|---------------------------|------------------------|-------------------------|
| Reference Led | Led Out | Led On |
| A) CODE | PGM from distance = ON | PGM from distance = OFF |
| B) CODE LAMP. | Blinking ON/OFF | |
| C) T. MOT. | Blinking ON/OFF | |

A) CODE

(Programming Radio control and Wireless Sensor from a distance):

The central allows programming a Radio commander or Wireless Sensor, without interfering directly on the key SEL of the central, by executing the operation from a distance.

Programming a code Radio commander or Wireless Sensor from a distance is done as follows: send the previously saved code of the radio commander continuously for over 10 seconds, at the same time the central goes into programming (indicated by blinking of the lamp) : send the code of the radio commander that has to be saved or the Wireless Sensor (by means of the key provided inside the Sensor), a confirmation of being programmed is indicated again by blinking of the lamp. Repeat the operation if other devices have to be saved in the memory.

The central has been equipped by the constructor for programming a transmission code from a distance standard activated, if you want to deactivate this function, you need to proceed as follows: reassure the extended menu 1 has been activated (indicated by the alternating blinker of the Led CODE LAMP. and Led T. MOT.), go with the key SEL to the blinker of the LED CODE then press the key SET; at the same time the LED CODE will switch on permanently and programming is completed. Repeat the operation if you want to restore the previous configuration.

RESET

If you should restore the standard configurations of the central, press the keys SEL and SET simultaneously so as to have the signal LEDs switched on both, immediately afterwards they go out.

EXTENDED MENU

The central has been provided by the constructor with the option to choose the functions of the main menu only.

If you want to activate the functions described in the extended menu, proceed as follows: press the key SET continuously for 5 seconds, the blinker Led CODE LAMP. and Led T. MOT. Light up alternated: in this way, you have 30 seconds to select the functions of the extended menu using the keys SEL and SET, after 30 seconds the central returns to the initial mode.

IMPORTANT NOTICE FOR THE INSTALLER

-De central is conceived by the constructor so to allow the automation of the guiding system in order to comply with the prescriptions of the regulations in force. The effective compliance to the obligations and observing the minimal safety requirements, however, should be taken care of by the installer.

It is recommended to execute the installation according to the directives EN 60335-2-97 " Safety of devices for domestic use and similar " part 2 " Specific regulations for motors for movement of roller blinds, parries, awnings and similar roller devices"

- The central should be connected permanently onto the power network and doesn't contain any type of line interrupting device for the electrical line 230 Vac; as a consequence, the installer should provide a line interrupting device for the unit. An omnipolar switch of category III should be installed as well. The latter has to be positioned so as to be protected against involuntarily disconnections.

- It is recommended to use flexible wires for the connections (supplies, exit motors), stored in an insulating sleeve of polychloropreen of an adjusted type (H05RN-F) with a tube diameter of at least equal to 0,75 mm²

- The connecting wires have to be assembled, fixed into cable seals provided inside the product.

-In order to guarantee a correct functioning of the radio receiver in case two or more centrals are used, it is recommended to install them at a distance of at least 3 meters from each other.

-In case, as mentioned above, two or more centrals are being used, it is recommended to use only one Sensor type Wireless in order to avoid interfering.

IMPORTANT NOTICE FOR THE USER

- The device should not be used by children or psychophysical disabled people without supervising or without explanation on the functioning and instructions for use.

- Children should not be allowed to play with the device and all radio commanders have to be kept away from them

- ATTENTION: this manual with instructions has to be preserved and the important safety prescriptions have to be complied with. Not observing the prescriptions can lead to damage and severe accidents.

- The system has to be inspected regularly, to detect eventual signs of damage. The device should not be used if reparation is needed.

Attention

All operations requiring opening the casing (connecting the cables, programming, etc.) have to be executed during installation by specialised staff only. Contact the technical assistance whenever the casing should be opened again afterwards (for reprogramming, repair or modifications of the installation).

Stateurop declares that the product:

MC8

complies with the Directives R&TTE
99/5/EC, EMC 2004/108/EC, LVD 2006/95/EC.

