

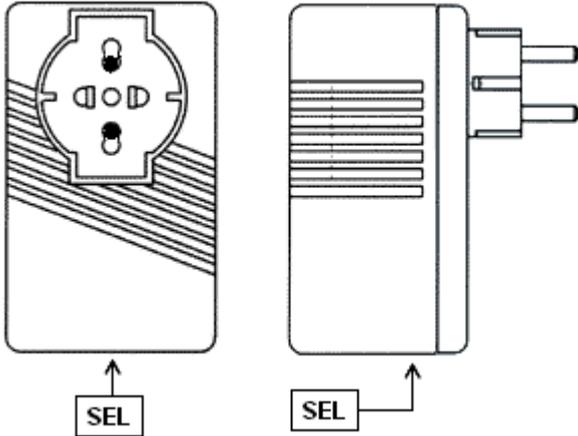
# MX14 Charge sensor



Electronic device with 433.92 Mhz transmitter and Current sensor of the charge applied to the integrated 230Vac socket.

## TECHNICAL DATA

- Power supply: 230V~ 50/60Hz 510W max.
- User output: 230V~ 100-500W Max.
- Working temperature: -10÷55°C
- Radio transmitter: 433.92MHz
- Transmitter type coding: Rolling Code
- Dimensions: 100 x 55 x 90 mm.
- Container: ABS UL94V-0 (IP40)



## DEVICE INSTALLATION

For excellent functioning, it is very important to choose the place of installation carefully. Capacity is not only conditioned by the technical features of the device, but also varies depending on the radio-electric conditions of the site. The transmitter has an incorporated antenna.

## INITIAL FUNCTIONING CONDITION

The device can only work coupled with one or more control units, upon first ignition the device contains a property code in the memory that cannot be amended, of Rolling code type.

## FUNCTIONING MODE

The device constantly controls the charge applied to the 230V current socket. According to the variation of the applied load absorptions, two distinct transmission codes will be sent at 433.92 Mhz (Descent code if the charge is at maximum, Ascent code if the charge is in Stand-By or disconnected). The device is ready for functioning with pre-defined charge settings. In case of anomalous functioning compared to wanted ones, it will be necessary to program the device.

## PROGRAMMING METHOD OF THE DEVICE

The programming of the device current threshold is the Self-learning type and is performed in the following way: connect the charge to be checked

and bring it in the condition of maximum current absorption, press the SEL key, three sounds will be heard confirming programming entry. After approx. 3 seconds, the device will emit a confirmation sound to signal the occurred programming of the new current threshold, subsequently four confirmation sounds will be heard to signal the end of the programming mode.

Whereas if, after having pressed the SEL key the device cannot memorise any current threshold within 15 seconds the device will emit four confirmation sounds, signalling the end of the programming phase.

It is possible to repeat the above described programming operation for the acquisition of new parameters of the applied charge.

## MANUAL TRANSMISSION METHOD OF THE DEVICE

The transmission of the device can be forced, for example, to facilitate programming on the control unit to be coupled as follows: connect the device to the electric network keeping the SEL key constantly pressed for 5 seconds, six sounds will be heard confirming the sending of only the Descent code of the device at 433.92 Mhz.

It is possible to repeat the above described transmission operation for a new sending of the transmission code.

## SOUND SIGNALS

- 1 BIP = Memorised current threshold.
- 3 BIP = Programming phase start
- 4 BIP = Programming phase end
- 5 BIP = Deletion of memorised current threshold.
- 6 BIP = Sending of transmission code

## RESET

Should it be necessary to restore the control unit to default setting (without memorised current threshold), press the SEL key continuously for 5 seconds, the control unit will emit five confirmation sounds and the operation will be complete.

#### **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.*

#### **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:

**MX14**

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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