

**TEO 1-2-4  
REO/REO E 1-2  
433.92 Mhz**

D811166 15-06-01 Vers. 04



**SUPERACTIVE  
RADIO CONTROLS  
433.92 MHZ  
FREQUENCY**



Thank you for buying this product, our company is sure that you will be more than satisfied with the product's performance. The product is supplied with a **Warnings leaflet** and an **Instruction booklet**. These should both be read carefully as they provide important information about safety, installation, operation and maintenance. This product complies with the recognised technical standards and safety regulations. We declare that this product is in conformity with the following European Directives: 89/336/EEC (and subsequent amendments).

### 1) GENERAL SAFETY

**WARNING! An incorrect installation or improper use of the product can cause damage to persons, animals or things.**

The **Warnings leaflet** and **Instruction booklet** supplied with this product should be read carefully as they provide important information about safety, installation, use and maintenance.

Scrap packing materials (plastic, cardboard, polystyrene etc) according to the provisions set out by current standards. Keep nylon or polystyrene bags out of children's reach.

Keep the instructions together with the technical brochure for future reference.

This product was exclusively designed and manufactured for the use specified in the present documentation. Any other use not specified in this documentation could damage the product and be dangerous.

The Company declines all responsibility for any consequences resulting from improper use of the product, or use which is different from that expected and specified in the present documentation.

Do not install the product in explosive atmosphere.

The construction components of this product must comply with the following European Directives: It complies with the 89/336/EEC, European Directive and subsequent amendments. As for all non-EEC countries, the above-mentioned standards as well as the current national standards should be respected in order to achieve a good safety level. The Company declines all responsibility for any consequences resulting from failure to observe Good Technical Practice when constructing closing structures (door, gates etc.), as well as from any deformation which might occur during use.

The installation must comply with the provisions set out by the following European Directives: It complies with the 89/336/EEC, 1999/5/CEE, European Directive and subsequent amendments.

Disconnect the electrical power supply before carrying out any work on the installation. Also disconnect any buffer batteries, if fitted.

Fit an omnipolar or magnetothermal switch on the mains power supply, having a contact opening distance equal to or greater than 3mm.

Check that a differential switch with a 0.03A threshold is fitted just before the power supply mains.

Check that earthing is carried out correctly: connect all metal parts for closure (doors, gates etc.) and all system components provided with an earth terminal.

Fit all the safety devices (photocells, electric edges etc.) which are needed to protect the area from any danger caused by squashing, conveying and shearing.

Position at least one luminous signal indication device (blinker) where it can be easily seen, and fix a Warning sign to the structure.

The Company declines all responsibility with respect to the automation safety and correct operation when other manufacturers' components are used.

Only use original parts for any maintenance or repair operation.

Do not modify the automation components, unless explicitly authorised by the company.

Instruct the product user about the control systems provided and the manual opening operation in case of emergency.

Do not allow persons or children to remain in the automation operation area.

Keep radio control or other control devices out of children's reach, in order to avoid unintentional automation activation.

The user must avoid any attempt to carry out work or repair on the automation system, and always request the assistance of qualified personnel.

Anything which is not expressly provided for in the present instructions, is not allowed.

### 2) TECHNICAL FEATURES OF THE TRANSMITTER

-Transmission frequency	:433.92Mhz
-Button	:Yellow color
-Power supply with battery	:Alkaline 12V
-Capacity	:50 ÷ 100 metres
-Working temperature	:-10 +55 °C
-Coding by	:10 DIP-SWITCH
-Number of combinations	:1024 each channel

-Dimensions :Look fig.1

#### -Transmitter versions:

TEO1	single-channel with single coding.
TEO2	twin channel with single coding.
TEO4	four-channel with single coding.

### 3) TECHNICAL FEATURES OF THE RECEIVER

-Reception frequency	:433.92Mhz
-Power supply	:12 to 28Vdc - 16 to 28Vac
-Antenna impedance input	:52 OHM (cable RG58)
-Relay contact	:1A-33Vac, 1A 24Vac
-Working temperature	:-20 +55 °C
-Coding by	:10 DIP-SWITCH
-Number of combinations	:1024 for channel

#### -Receiver versions:

REO1-	single-channel with single coding.
REO2-	twin-channel with single coding.

### 4) ANTENNA INSTALLATION

- Only use an antenna tuned to 433Mhz .
- For the ANTENNA-RECEIVER connection use RG58 coaxial cable.
- The presence of metallic objects next to the antenna can disturb the radio receptor. If the transmitter has insufficient range, move the antenna to a more suitable position.

### 5) SETTING OF CODING

The coding of transmission code is set by means of the 10 path DIP SWITCH which is present in all the transmitters. This coding must coincide with the one set in the 10 path DIP SWITCH present on the receiver (fig.2).

### 6) TRANSMISSION TEOx-REOx CHANNEL SELECTION

The 4 path DIP-SWITCH present in the receiver, allows the changing of the address for activating the transmission channel out of the four available (fig.3-4).

- The CHx channel address selected with the 4 path DIP SWITCH in the receiver, must correspond to the one set in the transmitter by means of the points to be welded (fig.3-4).
- The transmitter TEO1 normally transmits on the CH1 channel with the possibility of setting a different address by welding the jumpers present on the printed circuit (fig.3).
- The transmitter TEO2 normally transmits: button 1-CH1, button 2-CH2, with the possibility of setting a different address by welding the jumpers present on the printed circuit (fig.4).
- The transmitter TEO4 normally transmits: button 1-CH1, button 2-CH2, button 3-CH3, button 4-CH4 without the possibility of setting a different address (fig.5).

**NOTE:** The drawings in this manual are purely indicative. The arrangement of the DIP SWITCH and the POINTS TO BE WELDED may vary. The procedure described, however, for the SETTING OF THE CODING and BUTTON - TRANSMISSION CHANNEL ADDRESS remains the same.

### 7) MAINTENANCE AND DEMOLITION

**The maintenance of the system should only be carried out by qualified personnel regularly.** The materials making up the set and its packing must be disposed of according to the regulations in force.

**Batteries must be properly disposed of.**

#### WARNINGS

**Correct controller operation is only ensured when the data contained in the present manual are observed. The company is not to be held responsible for any damage resulting from failure to observe the installation standards and the instructions contained in the present manual.**

**The descriptions and illustrations contained in the present manual are not binding. The Company reserves the right to make any alterations deemed appropriate for the technical, manufacturing and commercial improvement of the product, while leaving the essential product features unchanged, at any time and without undertaking to update the present publication.**

