



cebek[®]

EMITTER R.F. TL-14



TECHNICAL CHARACTERISTICS

Voltage.....	12VDC Battery (type A23).
Minimum consumption (without emission).....	0mA.
Maximum Consumption, (emitting).....	12,7mA.
Emission frequency	433,92MHz.
Antenna length.....	148mm.
Sizes, (without antenna).....	90x60x24mm.
Maximum reach	300m.
Protection against inversion polarity, (P.I.P.).....	Yes.

The two channels R.F Emitter TL-14, allows to emit a signal till approximately 300 m omnidirectional. This signal could be recognised and executed by any CEBEK radiofrequency (R.F) receivers, with one or two channels of the Group 1. The security code could be configured between 13.122 different combinations. It includes micro-switches to select the code, indicator Leds, 12V battery and enclosure.

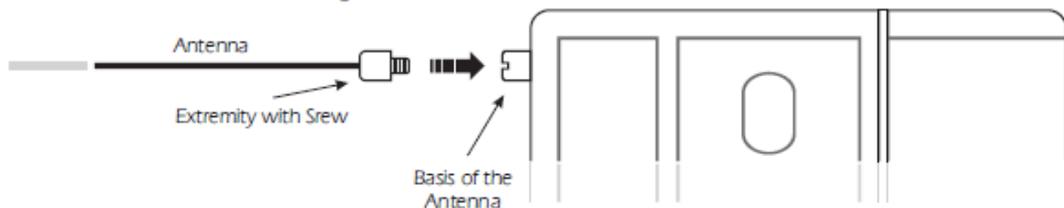
ANTENNA INSTALLATION. The TL-14 module requires an antenna to emit with the maximum power and efficiency. This one is supplied with the module and it has to be installed before to emit.

The inferior part of the antenna includes a metallic piece with a screw. Place and screw it on the module basis, reserved to this application. See Fig.1 .Do never use a tool to screw this union and avoid an excessive pressure. The pressure made by your finger will be enough to adjust both pieces.

The TL-14' s antenna is made with flexible steel, nevertheless, don't fold the antenna, in right position.

Don't use any other antenna type, different than supplied one. If the supplied one will be damaged, contact your CEBEK distributor and ask for a new original. If you don't respect this point, the module doesn't properly work and the module's warranty will be cancelled.

Fig. 1. Connection of the Antenna.



OPERATING MODE

TO CONFIGURE SECURITY CODE. All CEBEK Remote Control work with the regulated European Frequency 433,92 MHz. For this reason, they include a micro-switches battery composed by 8 trinary switches, allowing to configure a security code, which makes the difference and exclusivity of each module.

To adjust the micro-switches battery, firstly you have to remove the cover of the battery connector. See paragraph "Battery " change to correctly do this operation.

Once the micro-switches battery is discovered, you have to check the position of 8 switches, each one could be placed in three different positions: "-", "0", and "+". Change the original position (supplied from factory), moving and selecting your own personal code. Don't forget that the emitter's configuration has to be the same as the receiver. If you don't insert the same code, the communication between them will be impossible.

The micro-switches battery allows to establish up to 13.122 combinations, which will make the difference between your emitter and others with similar characteristics. Once the code is selected and all connections in the receiver are done, you only have to press one of the push buttons and see how the corresponding output is connected. The Led will intermittently light until you maintain the push button pressed, to indicate that it is emitting. If the Led doesn't light, check the battery position, if the polarity is correct, or if it is not discharged.

Don't press at the same time both push buttons, the emitter will only emit a single signal from one of them. If you wish to connect at the same time both outputs in the receiver, or if you wish to exclusively assign one of two push buttons to a one channel receiver, check the corresponding paragraph in the instruction manual of these modules.

HOW TO OPEN THE ENCLOSURE AND SUBSTITUTE THE BATTERY. The TL-14 enclosure could be opened pressing to the outside the removable enclosure cover. See the drawing.

With the front cover, removed from the rest of the enclosure, you could accede to the battery and micro-switches battery. The new battery has to be identical than the previous one: 12 V and A 23 type. When you will remove the old battery you note that it is covered by a plastic cylindrical piece. Don't cast off it bu tplace it on the new battery before to place again it on the battery support ; it's function is to correctly maintain both elements.

See and respect the indicated battery polarity and insert it carefully without forcing

