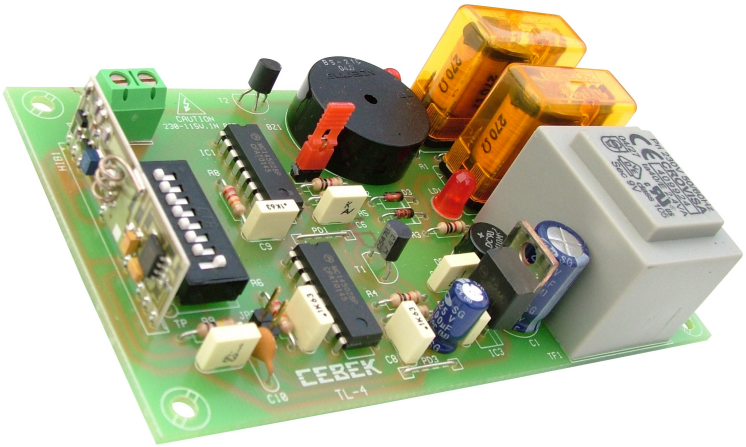
REMOTE RECEIVER
TL- 4



TECHNICAL CHARACTERISTICS

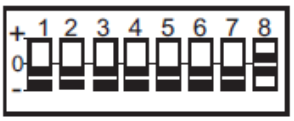
Voltage	230 V. A.C.
Minimum Consumption	15 mA.
Maximum Consumption	100 mA.
Operating Frequency	433.92 Mhz.
Maximum Distance (Approx.)	30 Meters.
Maximum Output Load	3 A.

The TL-4 is a 2 channel remote control receiver supplied by 230 VAC with relay output working by radiofrequency. It will recognise the signal from TL-5 or TL-6 emitters, verify the security code and maintain the output connected until you stop to press the push button of the emitter. You could configure you own security code (between 13.122 possibilities) as well as to work with theTL-5 or the TL-6 emitters.
It includes micro-switches to select the code, antenna output, led and acoustic signal for the output as well as connection terminals.
Don't forget to read all the information sheet in order to obtain a perfect operating of the module.

POWER SUPPLY. The TL-4 circuit had to be supplied with voltage from 230 VAC. According to the General Wiring Map you have to use an adequate plug and a cable for mains and connect it to the input terminal 220 VAC.
Install a fuse and a switch as it is indicated in General Wiring Map (see hereafter). Both are necessary to protect the module and for your own security, as it is indicated in "CE" regulations. Then, verify that you have correctly connected the module.
Before to connect the module to the mains inserting voltage, please do the rest of connections specified hereaffer. **Don't forget that in several part of the module there is voltage (230 VAC),** for this reason we suggest you to be careful.

OPERATING. All remote controls working Cebek approved frequency of 433.92 MHz TL-4 incorporates a battery of micro-switches, SW-1, by which you can set a security code make the difference and unique each module. Have up to 13 122 different combinations to make your own code. Observe Fig. 1, she battery micro-switches, SW-1 has eight switches, each could be placed in three different positions, " "" 0 "and" + ". Change is shipped provision modifying the switches and choosing your personal code.
Please mind that there is communication with the issuer, it must be configured with the same code used in the receiver.
Once is set to the sender and receiver with the desired code, run the power module. Then press a button on the transmitter, while you hold the output will remain connected, when released, the output disconnected

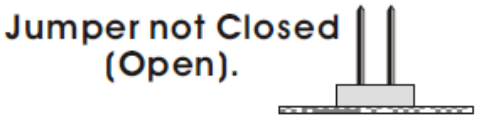
Fig. 1.

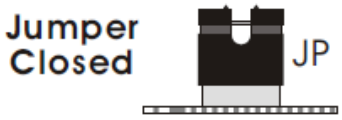


SW-1

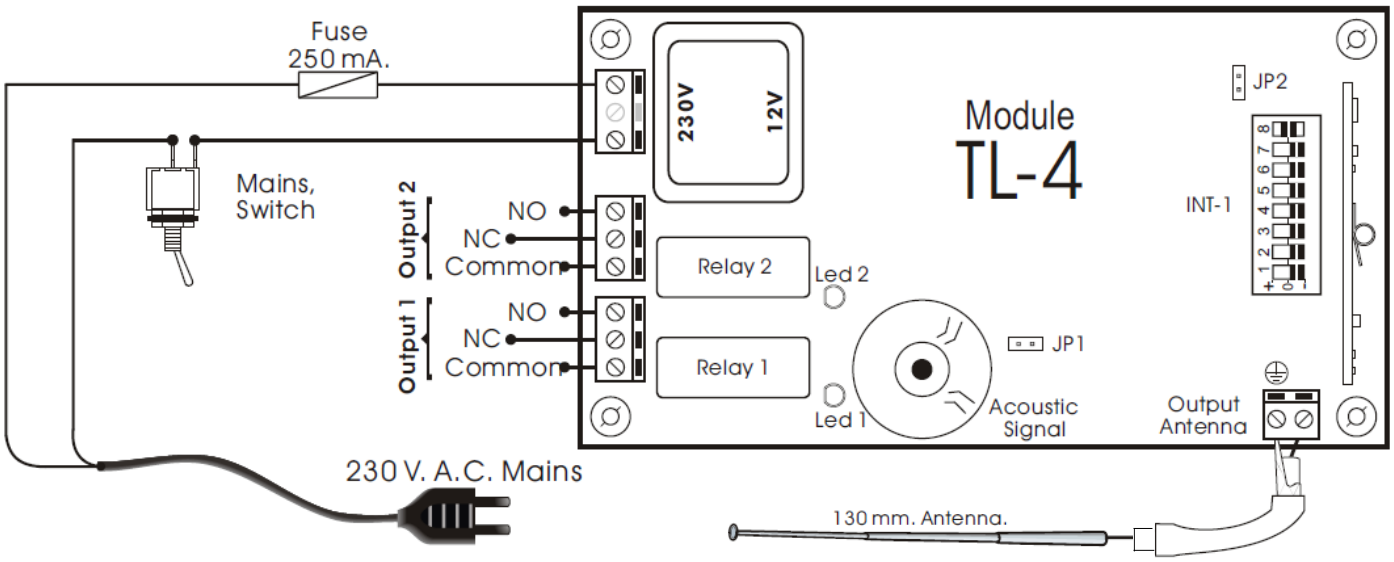
ANTENNA INSTALLATION. To obtain a maximum and clear reception, you have to install an exterior antenna.
Seeing the paragraph "General Wiring map", install a metallic antenna with a length of 130 mm. The cable between antenna and module had to be shielded and inferior than 25 cm. Connect the negative terminal to the groumd.

OUTPUT CONFIGURATION. Even if the receiver TL-4 have been developed to control its corresponding emitter with 2 channel (TL-6 module), it also could be controlled by the module: 1 Channels emitter. Then, you have to.



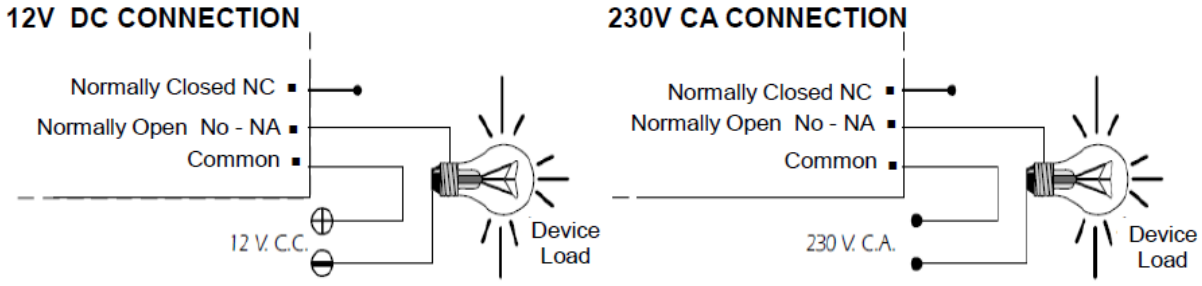


GENERAL WIRING MAP.



OUTPUT CONNECTION LOAD

The output of the TL-4 module is controlled by a relay, allowing any load until 3 A. as maximum consumption. The relay has 3 output terminals the normally open at quiescent (NA), the normally closed at quiescent (NC) and the common. The operating of this mechanism is the same as a switch with two (2) terminals NA and common, if you wish that the output will be activated during the timer, or between the NC and the common to obtain the reverse operating. In the drawing, you could appreciate the typical connection for a devices operating at 12



During the operating mode and according to its load, it could happen a fluctuation or an incorrect working of the output. In such case, you have to install an anti-spark circuit between both contacts of the used relay, as it is indicated on the schedule