



# TL-5

## 1 CHANNEL REMOTE CONTROL EMITTER

The TL-5 is a 1 channel remote control emitter supplied by 12 VDC working by radio-frequency and emitting a codified signal which could be recognised by any CEBEK receiver module (TL-1, TL-2, TL-3, TL-4).

You could configure your own security code (between 13.122 possibilities).

It includes micro-switches to select the code, indicator led and 12 VDC battery and corresponding enclosure.

**Don't forget to read all the information sheet in order to obtain a perfect operating of the module.**

### TECHNICAL CHARACTERISTICS.

Voltage .....	12 V. D.C.
Quiescent Consumption (without emission) .....	0 mA.
Maximum Consumption (emitting) .....	2,1 mA.
Operating Frequency .....	433.92 Mhz.
Maximum Distance (Approx.) .....	30 Meters.
Battery Type .....	A23 - 12V.
Sizes (Without enclosure) .....	50 x 32 x 15 mm.
Sizes (With enclosure) .....	57 x 37 x 17 mm.

### OPERATING.

**OPERATING.** The circuit's operating is very easy, nevertheless you have to remember following points.

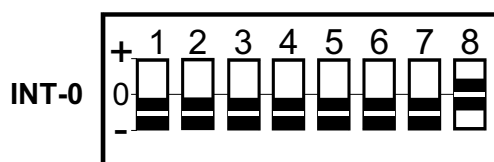
Firstly, the security code configuration. All CEBEK remote control works with a frequency adjusted at 433.92 MHz. For this reason, they include micro-switches (INT-0) allowing to configure a security code between 13.122 possibilities, for each module. Then, your module will be different from others, even if they offer same characteristics.

To manipulate the micro-switches you have to open the emitter's enclosure. See the paragraph "To change battery" to correctly done this operation.

The drawing corresponding to the micro-switches INT-0 shows 8 switches with three different positions: "-", "0" and "+".

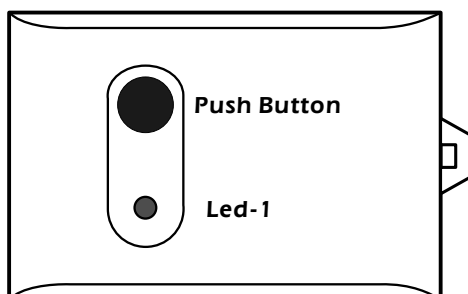
You have to modify the switches position that you have received in order to select your personal code. **Do not forget:**

**The receiver and emitter have to have the same security code configured to correctly work.**



When the security code is selected and all connection (for the receiver) are made, you have to press the push button and the receiver will be connected. The indicator LED-1 will light during the button pressure indicating the emission. If the Led does not light, you have to check the battery position (polarity) or the battery load level.

If you wish to control a receiver with two channels thanks to the TL-5 module, consult "Output configuration" paragraph in the receiver's instruction manual.





# CONTROL REMOTE.

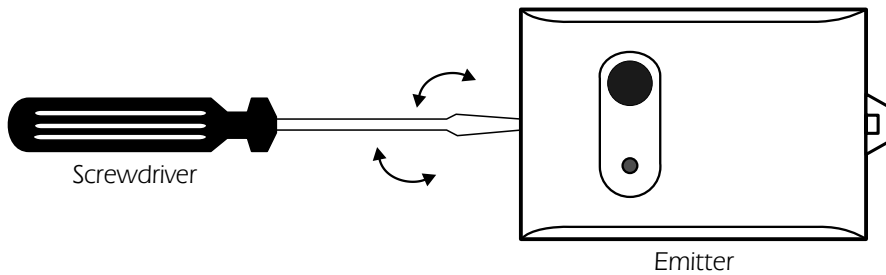
Ref. Full9809\_Ang.

# TL-5

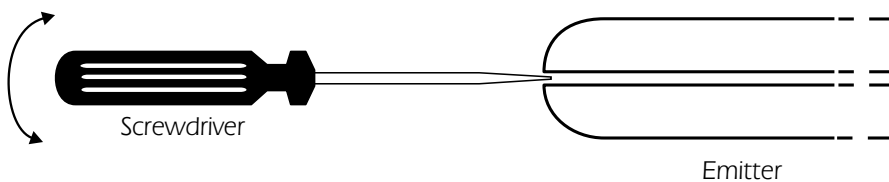
## TO CHANGE BATTERY.

**TO CHANGE BATTERY.** The battery supplying the circuit is placed into the enclosure. Then, you have to open the emitter's enclosure. To do this without damage the module, use a screwdriver as it is showed in the following drawing, introducing its head between superior and inferior parts of the enclosure. Then the cover will be opened and you could change the battery.

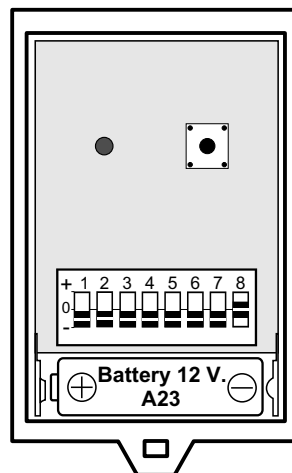
**Frontal View.**



**Lateral View.**



Get out the battery and substitute it with a new battery. The new battery have to be a 12 VDC battery A23 type. See and respect the indicated polarity and close the enclosure.



## TECHNICAL SUPPORT AND INFORMATION.

For any questions or more information:

**By Fax.** +34.93. 432.29.95

**By Mail:** C/ Quetzal, 17-21, Entlo. 2º (08014) BARCELONA - SPAIN.

**By E-Mail:** [sat@cebek.com](mailto:sat@cebek.com)

**Keep you invoice.** For any repairing could you send this with module. Else, the module will lost the warranty.

**MORE 300  
MODULES.**

All the module's CEBEK have **3 years of total warranty** in thechnical repairing, and spares from the date of buy.

CEBEK is trade make of FADISEL S.L. more than 300 module's are available in stock for any purpose **request our CATALOGUE**, or visit our Web.

[Http://www.cebek.com](http://www.cebek.com)

**WARRANTY**

**3  
YEARS**