

R.F Transmitters to activate/deactivate CEBEK receivers from Group 1, (TL-5 or TL-6 Transmitters), and for CEBEK receivers from Group 2, (TL-300 or TL-301 transmitters). The Output's operating mode can be independently configured in standard or flip-flop mode, according to the receiver. They include antenna and battery.

TECHNICAL CHARACTERISTICS

Operating frequency: 433,92 MHz.
Compatibility with R.F Cebek Receivers from Group 1: TL-5 / TL-6.
Compatibility with R.F Cebek Receivers from Group 3: TL-300 / TL-301.
Maximum reach: 25 m. omni directional.
Delay time between transmitter's order and relay activation: 0,3 sec.
Power supply: Battery: 12 V. D.C. (A23 type).
Minimum / Maximum consumption: 0 mA. (without transmitting) / 2,1 mA. (transmitting).
Transmission indication: 5 mm Led.
Signal Codification TL-5 / TL-6: Trough a Dip switch inserted on the PCB, (13.122 combinations).
Signal Codification TL-300 / TL-301: Automatic, (auto code).
Operating temperature: -25 °C up to +55 °C
Standard-Flip Flop selection: According to the receiver.
Net weight, (including battery): 30 gr.
Length x width x height = 60 x 36 x 15 mm.
Rules: 89/336/CEE Electromagnetic Compatibility and its modifications 32/31/CEE and 93/68/CEE; with the Radio Transmission ETS 300-220 rule.

TO OPEN ENCLOSURE

To substitute the battery and to accede to security Dip switch, (TL-5 / TL-6).

It is necessary to open the enclosure to substitute the battery and for TL-5 / TL-6 to accede and to code the Security codification Dip switch. **Be careful to open and to close the enclosure, to avoid to break any element of the enclosure.**

To easily remove the cover, you have to use a screwdriver and to press the union point of both parts and to turn, as it is indicated on the drawing.

To close both parts, you have perfectly adjust them and to lightly press them for their coupling.

Fig. 1. To reach the transmitter inside part

- (insert and turn of the screwdriver)

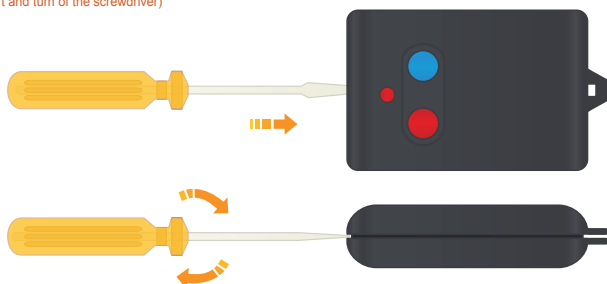
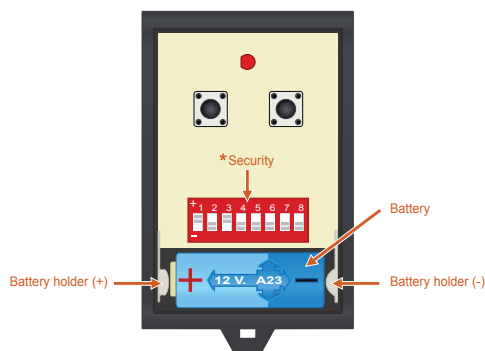


Fig. 2. Transmitter without cover

- (to accede to the battery and dip switch)

* Security Dip switch only for TL-5 and TL-6 models



TO SYNCHRONISE TRANSMITTER & RECEIVER

The communication between transmitter and receiver(s) is established through an information series with a security code, which synchronise transmitters and receivers and avoid the hazardous connection with any other Cebek or other R.F. devices brand

TL-5 / TL-6.

For TL-5 and TL-6 models, this connection is done through the configuration of the Security Dip switch, that you can reach removing the transmitter's superior cover. The established code has to coincide with the receiver's code.

In the receiver's instructions manual you can see how to configure each relay/channel with a determined push button on the transmitter.

TL-300 / TL-301.

TL-300 and TL-301 models don't have a Security Dip switch because the transmitter includes an exclusive and single identification code. The synchronisation is done programming the receiver to allow it to recognize identification codes for a maximum of 5 transmitters.

The program is done on the receiver following three simple steps:

1. Start the receiver's program quickly pressing the "Program" push button. The "Program" Led will light on and remain waiting for.
2. With the receiver in stand by mode, you only have to press the transmitter push button that you wish to associate. The "Program" Led will do three short impulses when it identifies the transmitter.
3. This operation will be confirmed, quickly pressing again the "Program" push button on the receiver or waiting 20 sec. The "Program" Led will be deactivated.

As the receiver's memory is FIFO, once you have synchronised 5 transmitters, the next transmitter programmed will be placed on the memory used by the first one, and the following one will substitute the memory initially destined to the second and so on.

OPERATING MODE

Once synchronised, receivers could be controlled by the corresponding push button on the transmitter. The standard or flip flop operating mode will be defined by the receiver.

When the transmitter is transmitting, the Led will light on. When the battery will be empty, it must be substitute by a new battery with same type and voltage than the previous one.

The control of several channels/relays from the same or different receivers can be obtained if they are correctly synchronised with transmitter(s). Nevertheless, you can not simultaneously send the signal from two push buttons of the same or different transmitter at the same time. **Even with different codes**, the first which will be closed will be the master. For this reason, **each channel or relay can be alternatively or consecutively controlled, pressing and releasing the corresponding push button on the transmitter.**

TO CHANGE the COLOR

In order to differentiate and identify different transmitters, Cebek also supply as accessory, enclosure with different colours to allow you to change the original one.

More over, you can directly purchase the wished colour, Black (N), Grey (G), Ivory (C), Blue (B) and Red (R), adding the letter of the colour referenced. For Instance, the TL-300B will correspond to a TL-300 with a blue enclosure.

Red and Blue colours are translucent and the rest of available colours are opaque colours.



Translucent Colour pack Accessory

Pack composed by 2 empty translucent enclosures blue and red.
Compatibility: Only with TL-5 and TL-300 Transmitters.

Translucent colours.



for TL-5 or TL-300 transmitters

Colour: Blue / Red

ref. C-0500

Accesorios Pack Color neutro.

Pack composed by 2 empty translucent enclosures ivory and grey.
Compatibility C-0501: Only for TL-5 and TL-300 Transmitters.
Compatibility C-0502: Only for TL-6 and TL-301 Transmitters.

Neutral colours.



for TL-5 or TL-300 transmitters

Colour: Ivory / Grey

ref. C-0501

for TL-5 or TL-300 transmitters

Colour: Ivory / Grey

ref. C-0502

WARRANTY and TECHNICAL INCIDENCES

Warranty.

All cebek modules have a total warranty of 3 years as concern components and labour man.
All damage, error or mistake due to problems independent from the circuit, connection, installation or operating mode, as well as wrong handling are not included in this warranty. More over it will be necessary the purchase invoice of this module for any claim.

Technical Department.

To contact our technical department, please contact: sat@cebek.com

or by fax (+34) 93.432.29.95

or by mail at the following address: FADISEL - c/Quetzal, 17-21 - 08014 Barcelona - SPAIN.

CEBEK offers a Wide and complete modules range which can be of your interest.

Visit our web site: www.cebek.com