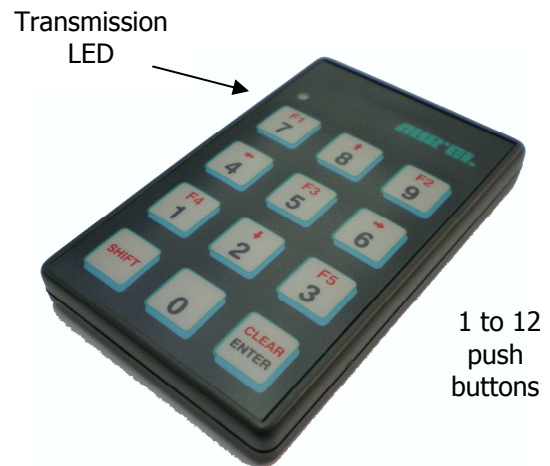# Trasmitter RF SAW 12 CH Keeloq* HCS301 Encoder

TX 12CH EVO is a keyfob equipped with a dynamic code [HCS301] encoder and a unique lithium battery able to assure from 3 to 5 years antonomy. Ideal for applications where an high grade of safety and an high number of channels is required.

I must be used in comination with our receivers HCS-DEC4/F or HCS-DEC4/4B (binary output) able to manage all push-buttons stated on the keyboard.

When the battery level is low, transmission led start to blink showing to the user that it has to be replaced.

Transmission LED

1 to 12 push buttons

How to use

By pressing and releasing any of the provided push buttons, the red LED will light up showing that the transmission of the code on the related channel is in progress.

Through a 4 bits binary code the transmission of one channel at a time can be activated.

While pressing at the same time 2 pushbuttons, no transmission is generated.

Technical features

	Min	Tipycal	Max	Units
Carrier's Frequency	433.82	433.92	434.02	MHz
Radiated Power [E.R.P.]		1.0		mW
Modulation		OOK		On-Off Keying
Power Supply (CR2032)	2.2	3	3.3	V
Power consumption in Tx		10	13	mA
Power consumption in stand-by		0		uA
Battery life		3 (1)	5	years
Serial ID code	28			bit
Hopping code	32			bit
Combinations	2^{32}			-
Operating Temperature	-10		+55	°C
Dimensions	54 x 85.5 x 10.5			mm

1: Avarage estimated time in TX is 70 sec per day (same as 14 trasmissions of 5 sec).
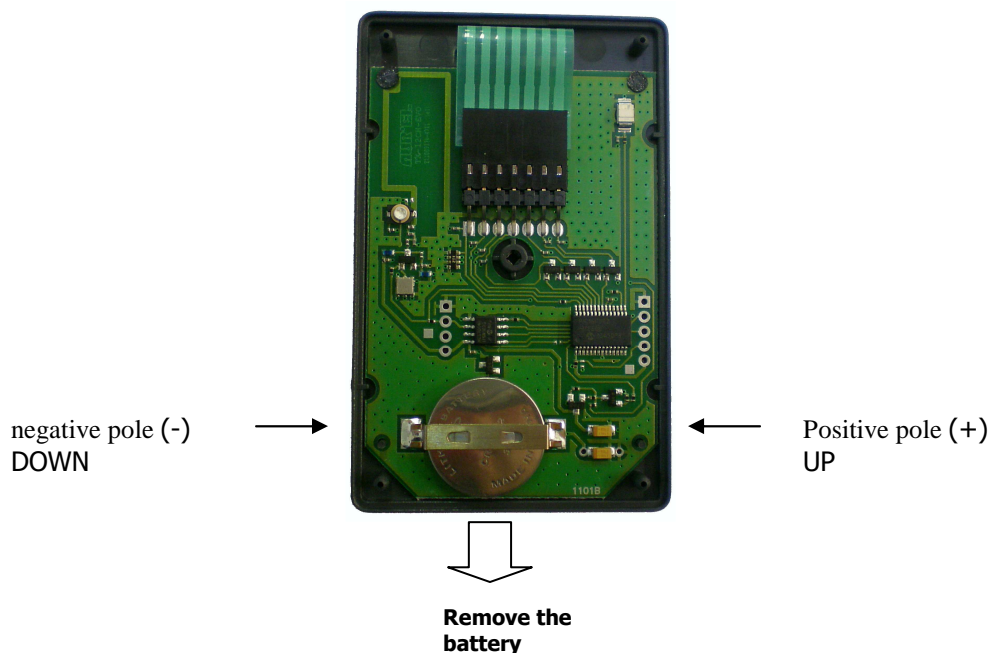
* Keeloq is a Microchip Trade mark

Battery replacement

When the transmission LED's light is blinking, the supply battery must be replaced.
Remove then the screw on the back side of the radio transmitter and carefully open the plastic cover.. Once the old battery have been removed, fit the new one **CR2032 3V [NOTE: use only battery models as specified in back cover]** by paying very much attention not to invert the polarity (see figure). Close then the transmitter plastic shall, paying attention not to damage the integrated circuit.
Should the battery leaking, replace it immediately and clean the battery's casing paying attention not to enter into contact with leaked substances. After such operation wash carefully your hands.
Do not waste the old batteries in the environment but place them inside the containers provided at this purpose, in order to facilitate their disposal.

negative pole (-)
DOWN

Positive pole (+)
UP

Remove the battery

CEPT 70-03

TX 12CH EVO is in comopliant with this rule thanks to is 1mW on frequency band 434 MHz and it is equipe with an auto shut off within 20 seconds while a specific pushbuttons is keep pressed.

Reference rules

The TX 12 CH EVO is conform to the following normative:
• ETSI EN 301 489-3 V1.4.1 – Electromagnetic compatiblity

• ETSI EN 300 220-2 V2.3.1 – Radio aspects

• EN 60950 – Other aspects

Le caratteristiche tecniche possono subire variazioni senza preavviso. La AUR°EL S.p.A non si assume la responsabilità di danni causati dall'uso improprio del dispositivo.

AUR°EL S.p.A. Via Foro dei Tigli, 4 - 47015 Modigliana (FC) – ITALY
Tel.: +390546941124 – Fax: +390546941660
http://www.aurel.it - email: aurel@aurel.it

Rev. A - 05.05.2016
Pag 2 di 2

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for RF Modules *category:*

Click to view products by Aurel *manufacturer:*

Other Similar products are found below :

SIMSA868-PRO   SIMSA915C-PRO   SIMSA868C-PRO   SIMSA433C-PRO   SIMSA915-PRO   AM-RX12A-433P   SIMSA868C-N-PRO   SIMSA433C-N-PRO   SIMSA915C-N-PRO   2221706-1   S2-10716-Z1W4E   G510-Q50-50-00   RFID IND LED MIF SLOT   650200808G   650201421G   RC-SPIRIT2-433   RC-SPIRIT2-868   DL-RFM69HC-433M   DL-RFM69HC-868M   650201508G   H330 A30-00   RC-CC1101-SPI-868   RC-CC1101-SPI-SMT-434   RC-CC1101-SPI-SMT-868   RC-CC1310-868   RCQ2-434   RCS1K-868   RCTX-434   RCTX-434-L   CTU-D2R   CTU-D5N   RFM02 868D   RFM02 868S2   RFM110-433S1   RFM119S-433S1   RFM119W-433S1   RFM12B-868DP   RFM210LCF-433S1   RFM219SW-868S1   RFM23B-868-D   RFM31B-433-S2   RFM42B-868-D   RFM98PW-433S2   RFM98W-433S2   CX-SMA174MMCX-219   HM-T433   I2M-005   650200819G   650200847G   650200997G