

1 Introduction



Fig. 1

1 RELAY RECEIVER SEL2641R433-XPL1P



The receiver Erone type SEL2641R433-XPL1P (Fig. 1) is a AM/ASK single conversion superheterodyne receiver with integrated "Keeloq® Hopping Code" security encryption. A special algorithm allows to keep synchronized transmitter and receiver. The receiver relay output, can drive many type of loads, up to 16A / 230 Vac. It is advised to drive locks, magnets, and any type of power load. The transmitter memorization can be carried out either with 2 push-buttons of the receiver or remotely, using only the keys of the transmitter. The setup of the remaining parameters can be done only with the 2 push buttons of the receiver. All the setting steps are displayed by a backlit LCD display. The internal data can be saved/restored to/from an external memory.

F1001000088

2 Technical Specifications

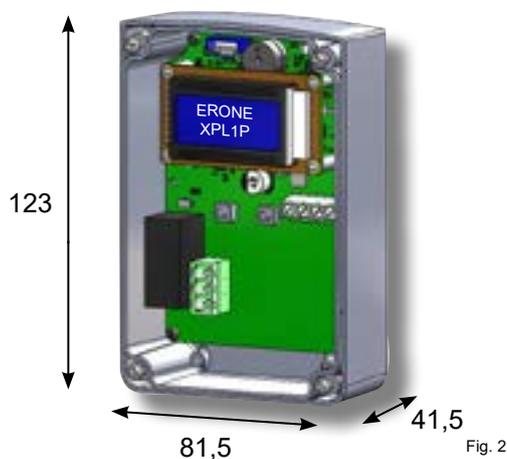


Fig. 2

Receiver type:	Supereheterodyne.
Demodulation:	AM/ASK.
Operating frequency:	433.92 Mhz.
Sensitivity (for good signal):	-115 dBm.
Input load:	50 Ohm.
Power supply:	12 o 24 V ac/dc.
Max current consumption:	@12Vdc = 90 mA - @12Vac = 86 mA @24Vdc = 58 mA - @24Vac = 190 mA
Relay contacts:	NO/NC.
Max power on relay output:	16 A / 230 Vac.
Memory capacity:	500 transmitters
Security protocol:	Keeloq® Hopping code
N° of code combinations:	2exp64
Operating temperature:	from -20 to + 70 °C.
Overall dimensions (Fig. 2):	123 x 81,5 x 41,5 mm
Weight:	65 gr.
Relay operating mode:	Pulse, step, timed, On-Off
Delay	from 1 sec. to 24h: 59 min.
Enclosure protection:	IP55

3 Mounting

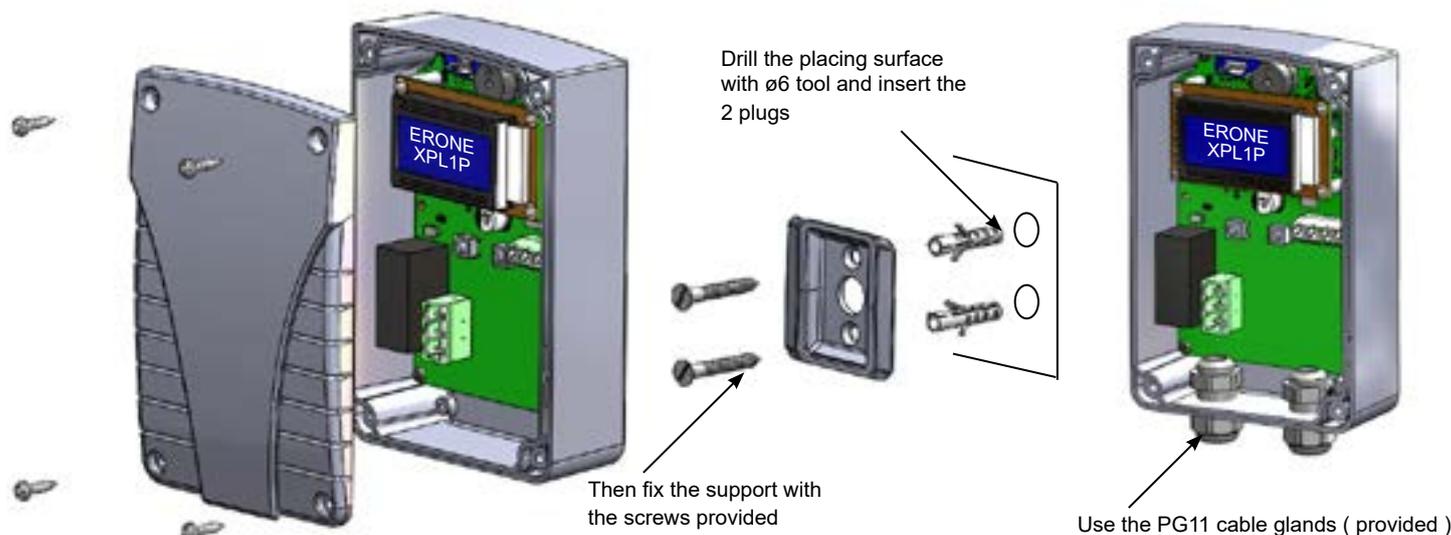
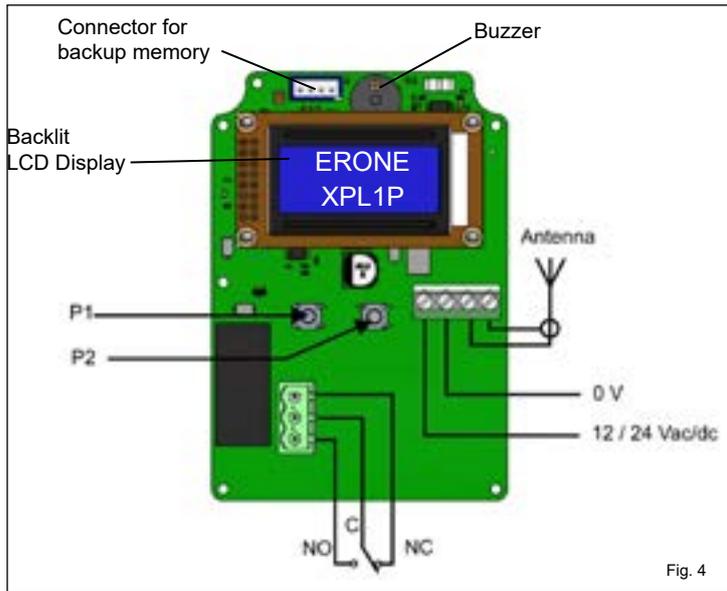


Fig. 3

4 Layout & Wiring



5 Compatible transmitters

Erone - S2TR2641E2-E4-E2M
 Erone SETR2641AM1, SETR2641AM2
 Erone S3TR2641T1-T2-T4
 Erone SETR2641TM
 Erone S7TR2641E4
 Erone FKT2641E1 - FKTHS2641E1
 CDVI GALEOR

6 Warnings

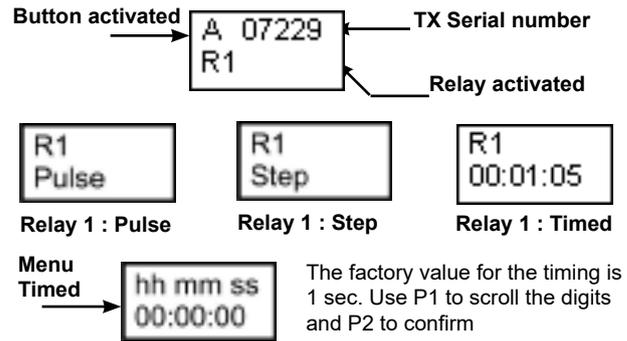
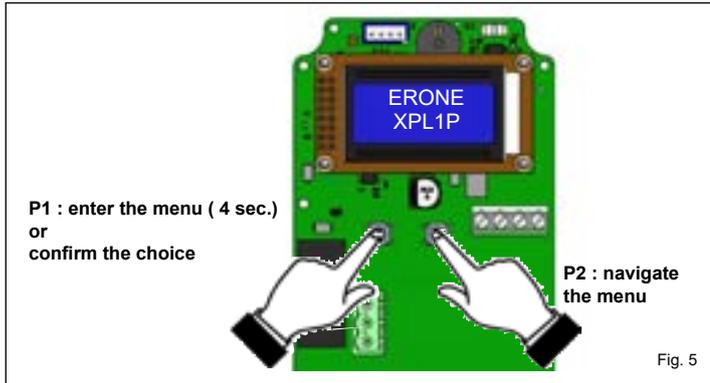


The receiver allocation is very important for the best operation of the system. Place the receiver far from interference sources such as big magnetic fields or radio emissions. The installation and the positioning of the antenna is very important as well. Before installing the antenna it's advisable to make some tests on the site. The distance between 2 receiver must be at least 1,5m. Hereby, CDVI Wireless Spa, declares that the radio equipment type SEL2641R433-XPL1P is in compliance with directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: www.erone.com.

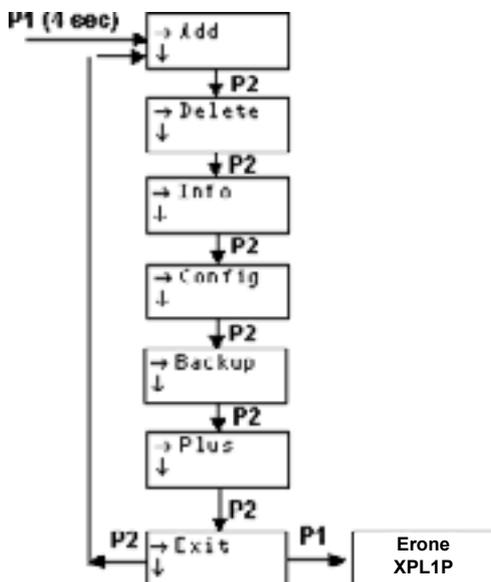
7 Display Legend

There are 2 methods available:

- Using P1 and P2 throughout the menu
- Remote from the receiver, using a transmitter already in the receivers memory (Mode PLUS).



8 Programming / Navigation menu



Add: Add transmitters s/n

Delete TX : Delete a single transmitter, the button of a transmitter, a transmitter from a list , all transmitters Reset to factory default

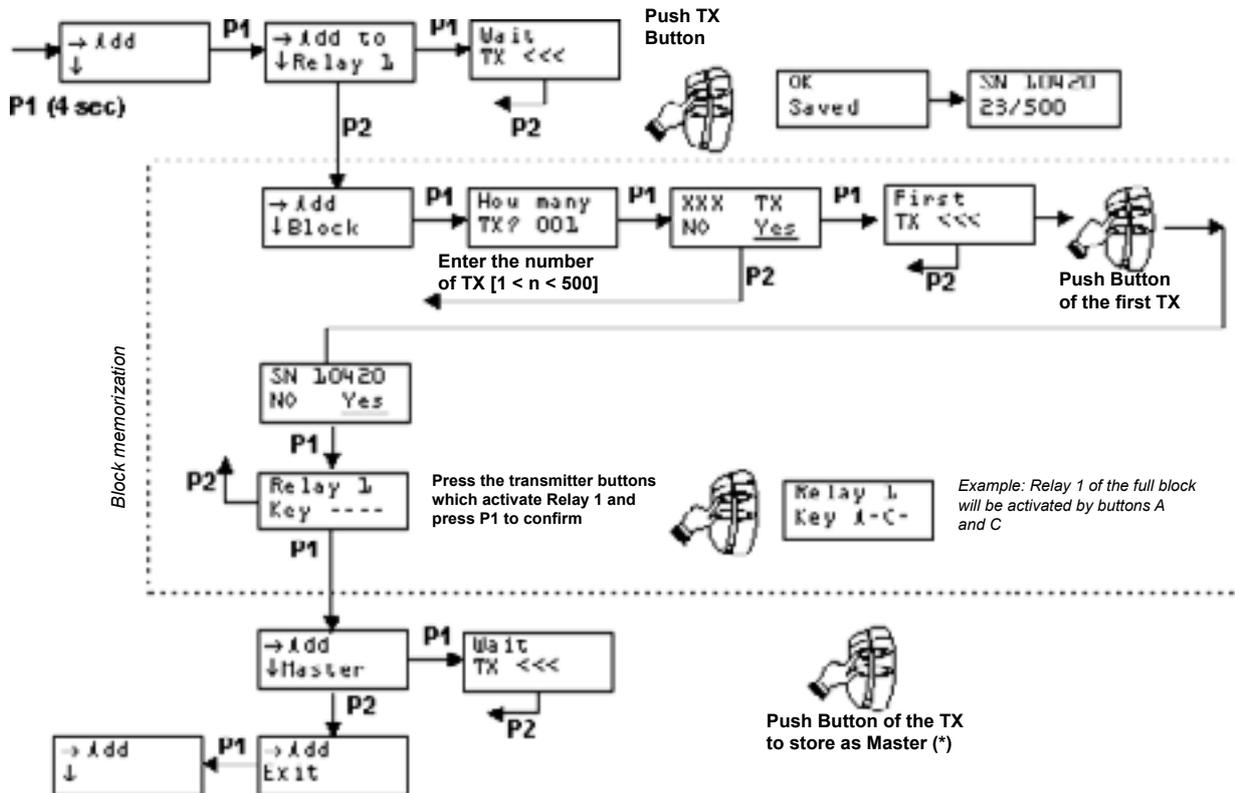
Info relay : Display relay operating mode, the number of Tx memorized, the of Transmitters, the SW release.

Config relay
 Set relay operating mode (pulse , step, timed , On/Off)
 Set delay time of relay

Backup to : data backup to an external memory
Restore from : data restore from an external memory

Plus ON : Enable remote transmitter memorization
Plus Limited : Enable remote transmitter memorization only using a TX «master» (see chapter 12)
Plus OFF : disable remote transmitter memorization

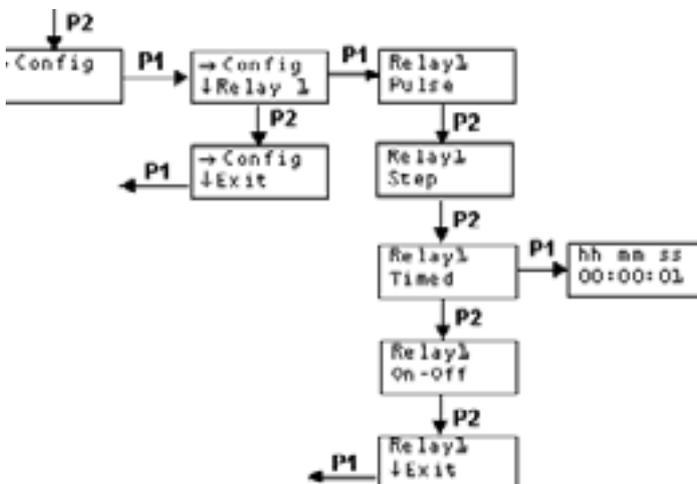
9 Menu Add



(*) NOTE : The first TX added acts as Master: that means that it can be used to add more tx using the PLUS option. The submenu Add Master allows to assign the Master property to any other TX already in memory even not memorized on the first position. Once a TX has been assigned as Master, its property cannot be removed unless to delete it from the memory using the Delete menu. The transmitters «Master» are identified with the «#» in the list.

10 Menu Config

Allows to set the operating mode of the relay as Pulse, Step, Timed or ON/OFF. In case of Timed it's possible to set the delay time from 1 sec. to 24h: 59 min.



PULSE : the relay stays excited as long as the transmitter is activated.

STEP : the relay excites at the first transmission and releases at the next transmission of the same button of the remote control.

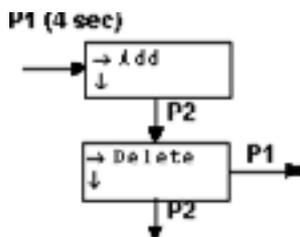
TIMED : the relay excites at the first transmission and releases after the delay programmed. Set the desired delay time using P2 to scroll the digits and P1 to confirm and shift to next : the time is expressed in hours , minutes and seconds.

ON-OFF : the relay excites if it is pressed the button A of the TX and releases when it is pressed the button B. It is enough to memorize only the button A : the button B automatically releases the relay.

If the transmitter is a 4-button type, it's possible to get A=ON , B=OFF and C=ON , D=OFF memorizing only the buttons A and C.

WARNING : if you memorize only the buttons B or D the function ON-OFF doesn't work

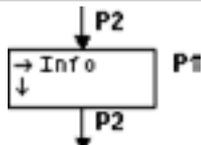
11 Menu Delete



- Delete TX : Delete a transmitter. It's necessary to have the transmitter available because the system requires the RF transmission;
- Delete Button : Delete the single button of a transmitter;
- Delete by List : Delete a transmitter from a list. In this case it is enough to know the S/N of the transmitter to be deleted to finalize the cancellation;
- Delete All TX : Delete all transmitters;
- Delete setting : Reset to factory default: delete all the transmitters and reset the relay operating mode to PULSE.

For all the options, use P2 to scroll and P1 to confirm

12 Menu Info



- Info relay : Display relay operating mode
- Info N. Users : Display number of Tx memorized
- Info List : List of Transmitters
- Info Version : SW release.

For all the options, use P2 to scroll and P1 to confirm

13 Backup / Restore

Plug-in the memory in the proper receiver connector

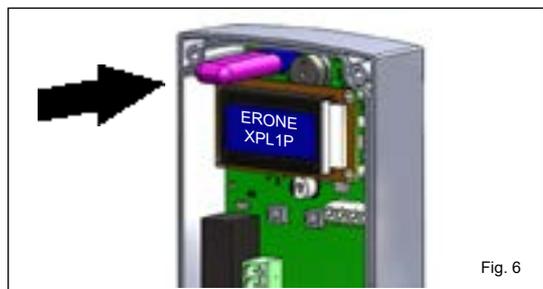
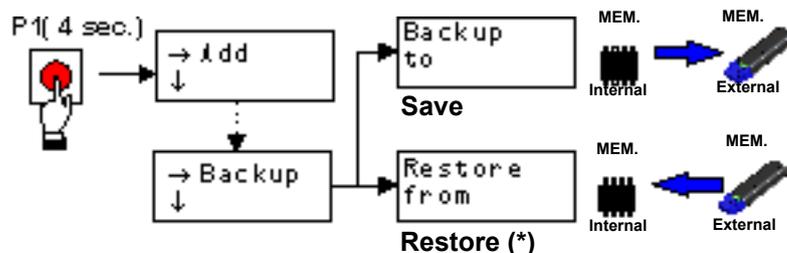


Fig. 6

Allows to create a backup of the memory data base and save it onto an external memory (type SEL2641-MXPL) - fig. 6.



(*) Attention : this operation will overwrite all data of the internal memory

14 Memorization Plus

The memorization PLUS allows to add a new transmitter remotely, without using the push-buttons P1 & P2. It's enough to use a transmitter «Master».

A transmitter «Master» can be :

- 1) the first transmitter added;
- 2) any transmitter memorized and changed as «master» using the Add Master submenu ;

The PLUS feature can be : **ON, Limited or OFF**

- **Plus ON** : remote transmitter memorization enabled;
- **Plus Limited** : remote transmitter memorization enabled only using a TX «master» (see fig. 7) ;
- **Plus OFF** : remote transmitter memorization disabled;

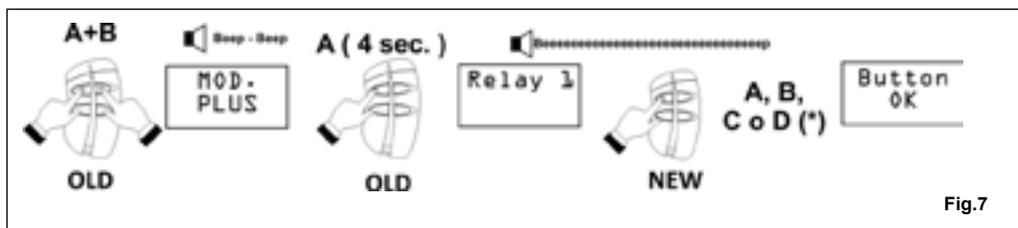


Fig.7

(*) : Push the button of the new transmitter before the end of the beep.

NOTE : If the option «PLUS LIMITED» is set, the transmitter which «opens» the memorization can be only the first transmitter memorized.

If the option PLUS is OFF the remote memorization is disabled.

If the option PLUS is ON the remote memorization of a new transmitter can be done using any transmitter already in memory.

The memorization PLUS is active only if there is, at least, one transmitter in the memory. When the memory is empty, the memorization of the first transmitter can be effected only using the buttons P1 and P2.

GUARANTEE

The warranty period for this product is 60 months, beginning from the manufacturer date. During this period, if the product does not work correctly, due to a defective component, the product will be repaired or substituted at our discretion. The guarantee does not cover the plastic container integrity. After-sale service is supplied at the factory.

