

ERONE - RADIOSWITCH 400 W

1 - INTRODUCTION

The radioswitch type SEL2641R433-RMS allows to switch on and off 1 or 2 resistive loads (like lamps 230 Vac , max 400W) via radio.

The command has sent by using the transmitter Erone type S2TR2641E2.

The operating frequency is 433.92 MHz.

The rollong code security system allows to get a communication system with high security level.

The code sent by the transmitter changes at every transmission avoiding in this way the risk of copy.

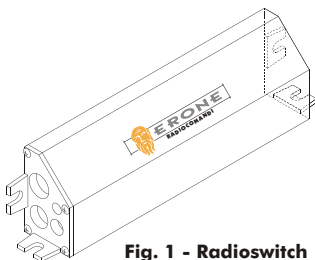


Fig. 1 - Radioswitch



Fig. 2 - TX S2TR2641E2

2 - TECHNICAL SPECIFICATIONS

Radioswitch SEL2641R433-RMS	Receiver type	Superheterodyne
	Carrier frequency	433.92 MHz
	Modulation	AM/ASK
	Input load	50 Ohm
	Channel width	> 25 KHz
	Intermediate frequency	10,7 MHz
	Input sensitivity	-113 dBm
	Local oscillation emissions	< -57 dBm
	Supply	230 Vac / 50 Hz
	Consumption at rest	2 mA
	Max output power	400 W
	TX memory capacity	85
	Max operating time	180 sec.
	Operating temperature	-20°+70°C
TX S2TR2641E2	Enclosure	Bayblend UL94-V0
	IP-Grade	IP54
	Weight	105 gr.
	Dimensions	25 x 41 x 154 mm
	Carrier frequency	433,92 MHz
	E.r.p. power	100 - 200 µW
	Modulation	AM/ASK
	Security code combination	2 ²⁴
	Supply	12 Vdc - battery L1028A / 23A
	Current consumption	23 mA
	Battery life	12 - 18 months
	Weight	40 gr.
	Dimensions	81 x 46 x 16 mm

3 - MAIN FEATURES

3.1 OPERATING MODES

- **The operating mode is bistable for both the relays**
Each load can be driven in step mode separately:
The first transmission activates the relay, the next release it.
- **Multiple command**
More transmitters can drive the same receiver : up to 85 different transmitters for a sequential mode and 42 transmitters in step-mode.
It is possible a mix of the modes (single and multiple) .
- **General or group command**
One transmitter drives more receivers: it is enough to memorise the transmitter on all the receivers.

4 - INSTALLING

It is very important to locate the best place for the radioswitch fixing:

Follow the following conditions:

- Place the appliance far from interference sources as informatic systems, alarm systems, radio emissions;
- The distance between 2 receivers should be more of 1,5 meters.

Fix the enclosure by its brackets and using the proper screws according to the type of stand.

WIRINGS - (Fig. 3)



Before any connection make sure that the power has been interrupted.

Pass the cables through the holes of the plug and the gasket (where you need an hermetic seal. Connect the wires to the terminals according to the following table:

Power 230 Vac

Terminal 1	Input Phase
Terminal 2	Input Neutral
Terminal 6	Input GND
Terminal 7	Input GND

Load N° 1

Terminal 3	Input Phase
Terminal 4	Input Neutral

Load N° 2

Terminal 4	Input Phase
Terminal 5	Input Neutral

Aerial

Terminal 10	Input wire
Terminal 11	Input shield

Recommended wire section

Power wire: 3 x 1,5 mm²

Load wire : 2 x 1,5 mm²

Aerial(Optional): RG58

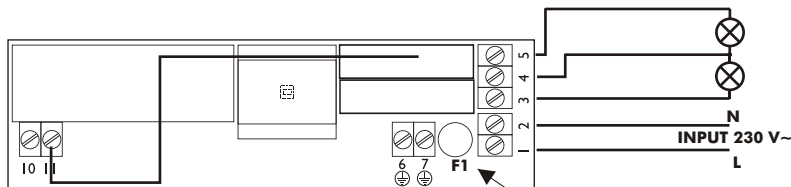
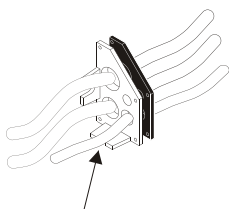


Fig. 3

FUSE = 2A



Aerial wire RG58 (Optional)

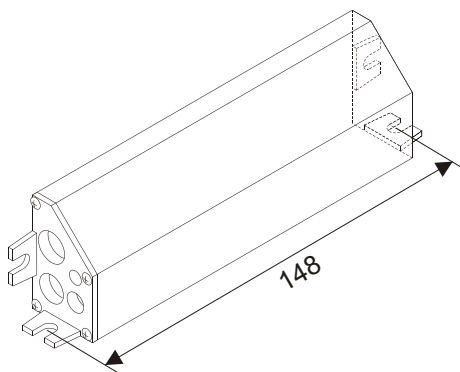


Fig. 4

5 - PROGRAMMING

Memorisation key A on relay 1 (Fig. 5)

Press simultaneously both the keys A and B of a transmitter type S2TR2641E2 until the bip. Release the keys and, within 2 seconds, push the key A of the transmitter until the continuous long bip of the buzzer; release A and push it again for 1 second until the click of the relay.

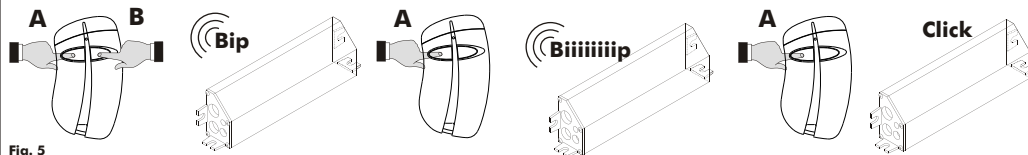


Fig. 5

Memorisation key B on relay 2 (Fig. 6)

Press simultaneously both the keys A and B of a transmitter type S2TR2641E2 until the bip. Release the keys and, within 2 seconds, push the key B of the transmitter until the continuous long bip of the buzzer; release B and push it again for 1 second until the click of the relay.

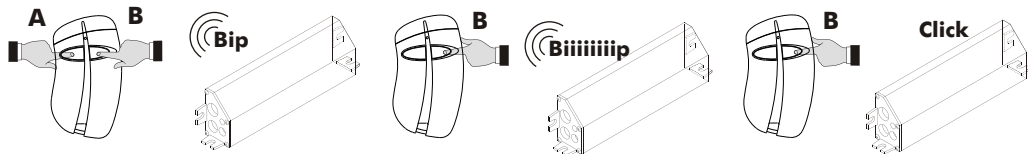


Fig. 6

At this point both the keys of the transmitter have been memorised on the relays 1 and 2. Push the keys of the transmitter and verify the functionality in step mode of the relays : one pulse on key A activates relay 1 , next pulse of A releases relay 1, one pulse on key B activates relay 2 , next pulse of B releases relay 2.

6 - COMPLETE MEMORY ERASURE

The erasure of the memory can be effected by using both the button beneath the electronic card and by radio.

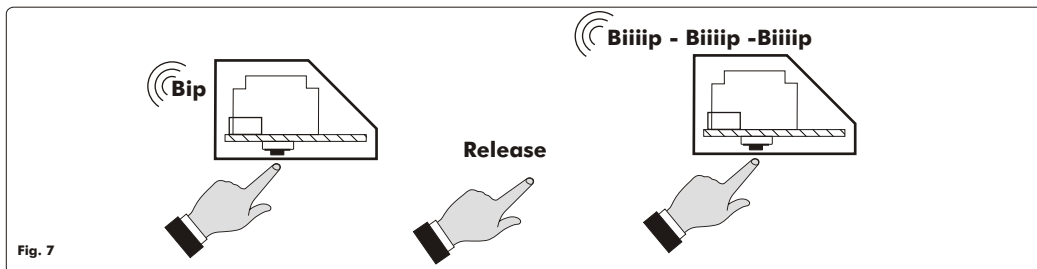
Erasure with push button. (Fig.7)

Push the bottom of the box right below the button until the bip.

Release and push it again until the 3 long bip (Biiip - Biiip - Biiip).

Verify the successful operation acting on the keys of a transmitter already memorised.

NOTE : For safety reasons this operation must be effected only with the box perfectly sealed.

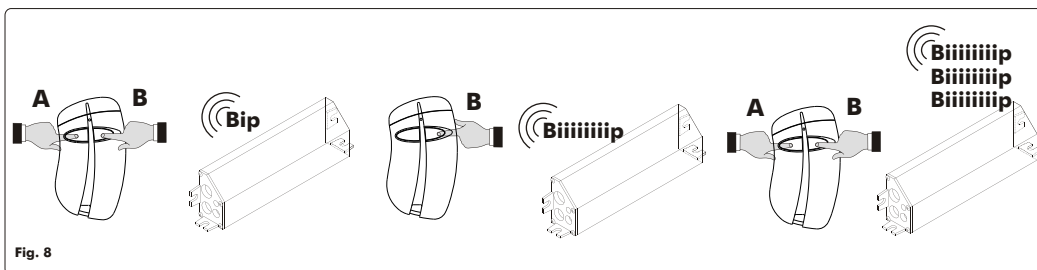


Erasure by radio (Fig.8)

Push simultaneously the keys A and B of a transmitter already memorised up to the bip ;

Release the keys and, within 2 seconds, push the key A up to the long bip of the buzzer (Biiip).

Next, before the end of the long bip, push again simultaneously the keys A and B of the transmitter until the three long bip (Biiip - Biiip - Biiip).



Verify the successful operation acting on the keys of a transmitter already memorised.

GUARANTEE

The guarantee period of the product is 24 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 the discretion of the producer.

*The guarantee does not cover the plastic container integrity.
After-sale service is supplied at the producer's factory.*



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