

RECEIVER SEL2641R433-I

1A - Introduction

The receiver type SEL2641 R433I is a superheterodyne single conversion receiver with integrated rolling-code decoding. The demodulation is AM/ASK. A special algorithm allows to keep synchronized transmitter and receiver.

The receiver which makes the activation, once received the transmitter code, has to be connected during the installation to the device to control (gate, garage door, rolling shutters, awnings, anti-burglar appliances, lighting, etc.).

The transmitter memorization can be carried out with 2 push-buttons.

All the receivers of the range Erone 433 can store into the EEPROM a serial number, a manufacturer key and a synchronism algorithm of more transmitters.

The product fully complies with the European Directives 73/23/CEE, 89/336/CEE and with the Regulation EN 60065.

1B - Usable transmitters

- Erone 024A type S2TR2641 E2-E4-E2M : Transmitter 2/4 buttons/Master
- Erone 433 type SETR2641 AM2: : Transmitter mini 2 buttons
- Erone 433 type SETR2641 TM: : Wall Transmitter

1C - Technical specifications

Receiver type:	Superheterodyne.
Demodulation:	AM/ASK.
Operating frequency:	433,92 MHz.
Local oscillator frequency:	6,6128 MHz.
Intermediate frequency:	10,7 MHz.
Sensitivity (for good signal):	-115 dBm.
Input impedance:	50 Ohm.
Supply voltage :	12 or 24 V ac/dc.
Current consumption: at rest:	25 mA
	with relay excited:
	55 mA
Number of relays:	2 (1NO, 1NO or NC).
Commutable max power:	24W or 24VA .
Max codes number:	85.
Operating temperature:	from -20 to + 70 °C.
Dimensions:	105 x 45 x 28 mm.
Weight:	65 gr.

1D - Main features

- Memory for 85 transmitter keys
- Display of the transmitter key number
- Display of the memory position for the last memorized transmitter
- Overwrite of a transmitter code
- Full memory cancellation.

1E - Receiver detail (Fig. 1)

LR:	Red Led	LV:	Green led
PR:	Red push-button	PV:	Green push-button
RR:	Red relay	RV:	Green relay

1F - Connections

- Power supply : terminals 1, 2 : 12 Vac/dc
terminals 1, 3 : 24 Vac/dc
- Aerial : terminal 9 : shield
terminal 10 : net.
- Relay outputs : terminals 4, 5 : NO contact (red relay)
terminals 6, 7 : NO contact (green relay)
terminals 6, 8 : NC contact (green relay)

2A - Transmitter memorizing

"Red relay" output

1) Keep the button **PR** of the receiver pressed down until the led **LR** remains lit, then release the button **PR**.

2) Press the key of the transmitter which is to be memorized : the led LR will turn off and the relay **RR** will excite for a while.

3) Press the key of the transmitter again and verify the activation of the relay RR the red led LR lit and the flash of the led LV.

At each activation, and for all the transmission time, the red led LR will turn on ,the green led LV will flash and the relay RR remains excited.

"Green relay" output

1) Keep the button **PV** of the receiver pressed down until the led **LV** remains lit, then release the button **PV**.

2) Press the key of the transmitter which is to be memorized : the led **LV** will turn off and the relay **RV** will excite for a while.

3) Press the key of the transmitter again and verify the activation of the relay RV the green led LV lit and the flash of the led LR.

At each activation, and for all the transmission time, the green led LV will turn on ,the red led LR will flash and the relay RV remains excited.

NOTE : The memory capacity is of 85 transmitter keys. That means that a 4 keys transmitter needs 4 memory positions.

It is possible to display the memory position by following the procedure 2B
A transmitter key can be memorized on each relay RR or RV but not on both.

2B - Transmitter memory position display

1) Activate the transmitter to display and verify the which is the led that turns on and the relay which excites.

2) Keep the button **PR** pressed down for 1 sec.

At this point a sequence of 7 flashes of the led LR and LV commences : by taking a note of the colors it is possible to get the memory position, according to the following table:

Led lit	1	2	3	4	5	6	7
Green led weight	1	2	4	8	16	32	64
Red led weight	0	0	0	0	0	0	0

Tab. 1

Example :

Sequence : LR, LR, LV, LV, LR, LR, LR.

Number : 0 + 0 + 4 + 8 + 0 + 0 + 0 = 12

So the transmitter is located on the 12th memory position.

2C - Transmitter codes overwrite

1) Keep the button **PR** or **PV** of the receiver pressed down for 4 sec. until the corresponding led remains lit, then release the button.

2) Within 2 sec. press down **PV** for 1 sec : the led lit will turn off.

3) Within 2 sec , begin to push **PR** or **PV** according the sequence which represents the position to overwrite (see. tab.1).

4) At the end of the sequence the led LV or LR will turn on (depending upon the memory information)

5) Within 4 sec. activate the key of the new transmitter which is to be memorized.

3A - Memory space display

1) Keep the button **PV** of the receiver pressed down for 1 sec.

At this point a sequence of 7 flashes of the led LR and LV commences : by taking a note of the colors it is possible to get the number of the memory location already occupied , following the above tab.1

3B - Memory full

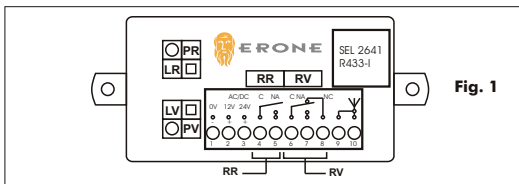
When the receiver memory is full, if (at the end of item 2 of the memorizing procedure) the key of a new transmitter is activated, both the leds LV and LR flash 3 times.

3C - Cancelling the entire memory

1) Keep the button **PR** of the receiver pressed down until the led **LR** remains lit.

2) Release the button **PR** and within 1 sec. keep the buttons **PR** and **PV** pressed down simultaneously for 4 sec. until a sequence of 3 flashes of the led LR and LV commences.

At the end the entire memory has been cancelled.



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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