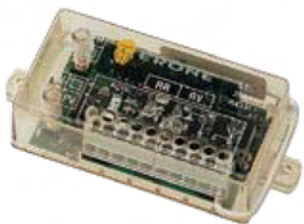


2-Relay Wireless Receiver SEL2641R433-IP

Instruction Manual



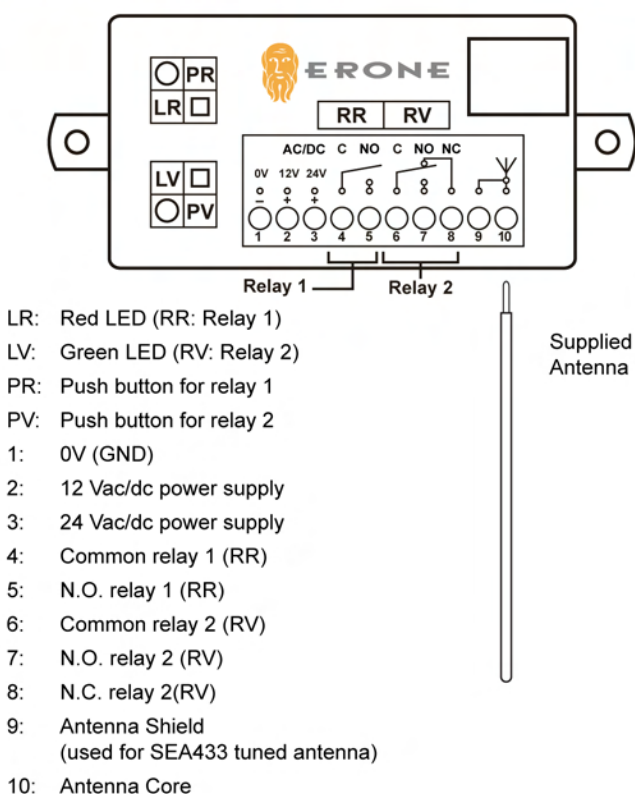
RECEIVER INTRODUCTION

The 2-relay stand-alone wireless receiver SEL2641R433-IP is a superheterodyne single conversion receiver with integrated rolling-code decoding. The receiver can control devices like; parking gates, garage doors, multi-bay service centers, lighting, etc.

SPECIFICATIONS

Memorization:	Up to 85 transmitter keys. Self-learning and erasing of the transmitter code without accessing to the receiver board
Outputs:	2 (1NO, 1NO or NC) Pulse, latched or timed (from 1 sec. to 10 hours)
Operating frequency:	433 MHz
Power supply :	12 or 24 Vac/dc
Current consumption:	25 mA (relay activated: 55 mA)
Operating temperature:	-20 to +70 °C
Dimensions:	105 x 45 x 28 mm
Weight:	65 g

TERMINAL CONNECTIONS



WARRANTY

The warranty period for this 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 our discretion. The guarantee does not cover the plastic container integrity. After-sale service is supplied at the factory.

TRANSMITTER MEMORIZATION

Transmitter keys can be memorized in 2 different ways:

- Locally, at the receiver, using **PR** or **PV** push-buttons.
- Remotely, using transmitter keys.

a) Locally at the receiver

To activate Relay 1 (**RR**)

- Press **PR** until **LR** LED turns ON, then release **PR**
- Within 2 sec. press the key of the transmitter you want to memorize. **LR** LED will flash and relay 1 (**RR**) will activate for a while.
- Press the key of the transmitter again to verify relay 1 (**RR**) activation, **LR** LED will turn ON and **LV** LED will flash.

At each activation, and for all the transmission time, **LR** LED will turn on , **LV** LED will flash and relay 1 (**RR**) remains activated.

To activate Relay 2 (**RV**)

- Press **PV** until **LV** LED turns ON, then release **PV**
- Within 2 sec. press the key of the transmitter you want to memorize. **LV** LED will flash and the relay 2 (**RV**) will activate for a while.
- Press the key of the transmitter again to verify relay 2 activation, **LR** LED will turn ON and **LV** LED will flash.

At each activation, and for all the transmission time, **LV** LED will turn on , **LR** LED will flash and relay 2 (**RV**) remains activated.

b) Remotely

Note: One transmitter (two keys) have to be programmed locally to be able to programmed other transmitter keys remotely.

- Press both keys of the transmitter that is already stored in the receiver until the receiver "beeps";
- Release both keys and immediately press A or B key to select the corresponding relay to be programmed and hold key for 4 seconds. Relay LED will turn on and "beep" will be continuous
- Within 2 sec., press the new transmitter key to be memorized.

Example:

Transmitter 1 (TX1) already stored, transmitter 2 (TX2), key A= Realy 1 (**RR**) and key B= Realy 2 (**RV**)

Press keys A & B of TX1 (bip); Press key A of TX1 for 4 sec.(Biiiiiiiip); Press key A of TX2 within 2 sec.

Press keys A & B of TX1 (bip); Press key B of TX1 for 4 sec.(Biiiiiiiip); push key B of TX2 within 2 sec.

NOTE : Memory capacity is 85 transmitter keys. A 4-keys transmitter needs 4 memory positions, if all 4 keys are used. The receiver memory is full when, at the end of step 2 of transmitter memorization, **LV** and **LR** LED flash 3 times. A transmitter key can not activate both relay (**RR** and **RV**).

TRANSMITTER KEY OVERWRITE

NOTE : Before starting, obtain the memory position and relay activation (1 or 2) of the transmitter key you wish to overwrite. See "Memory Psition" section.

- Press down **PR** or **PV** for 4 sec. until the corresponding LED remains lit, then release it.
- Within 2 sec., press down **PV** for 1 sec. (LED will turn off)
- Within 2 sec., start to enter the memory position sequence by using **PR** (red LED) and **PV** (green LED). See memory position table.
- At the end of the sequence **LV** or **LR** LED will turn on.
- Within 4 sec., press the key of the new transmitter you wish to memorized. This new transmitter key will overwrite the old one.

RELAY CONFIGURATION

RELAY STATUS:

Note: The receiver factory default setting is pulse for both relay

Press down **PR** or **PV** for 4 sec. and note the LED state (LR or LV).

The following table determine the relay status :

Relay operating mode (RR or RV)	LED operating mode (LR or LV)
Pulse	LED ON
Latched (RR only)	Slow blinking
Timed	Fast blinking

RELAY SETTING:

The relay operating mode is cyclic, change the mode according to the following rules:

Relay operating mode cycle	
If the relay is set as pulse	1- it becomes latching 2- it becomes timed if you press the timing sequence after step 2
If the relay is set as latching	it becomes pulse
If the relay is set as timed	it becomes pulse

Relay Configuration Not Allowed
Relay 1 (RR) latching and Relay 2 (RV) timed
Relay 1 (RR) timed and relay 2 (RV) timed (with different delay time)

To change the mode follow these steps:

- 1) Press **PV** or **PR** for 4 seconds. LED will illuminate displaying relay status. Use Table above to determine the status.
- 2) Within 1 sec., press **PR** to change the relay mode. The relay mode will change according to the relay setting table above.

Note: To configure the relay output time, enter the timing sequence after step 2, see relay timing table below.

RELAY TIMING:

Important: To set or modify relay timing, the relay has to be set as pulse before.

- 1) Press **PR** for 4 sec. The **LR** LED will turn ON (if not, set the relay operation to pulse, see **Relay Setting** section).
- 2) Press **PR** for 1 sec. and **LR** LED switche to OFF. Within 2 seconds, start the seven digit, **PR** and **PV** sequence, to set the relay timing (See table below)

PR= not selected (0) **PV**= selected (1)

Pressing sequence	1	2	3	4	5	6	7
Seconds	1	2	4	8	16	PR	PR
	10	20	40	80	160	PV	PR
Minutes	2	4	8	16	32	PR	PV
	20	40	80	160	320	PV	PV

Example 1: 8 sec. relay activation

Pressing sequence	1	2	3	4	5	6	7
Seconds	PR	PR	PR	PV	PR	PR	PR
	10	20	40	80	160	PV	PR
Minutes	2	4	8	16	32	PR	PV
	20	40	80	160	320	PV	PV

Input sequence= PR + PR + PR + PV + PR + PR + PR= 8 sec.

Example 2: 2 min. relay activation

PR and PV pressing sequence	1	2	3	4	5	6	7
Seconds	1	2	4	8	16	PR	PR
	10	20	40	80	160	PV	PR
Minutes	PV	PR	PR	PR	PR	PR	PV
	20	40	80	160	320	PV	PV

Input sequence= PV - PR - PR - PR - PR - PR - PV= 2 min.

MEMORY POSITION

- 1) Press transmitter key to verify if its associated to the receiver. **LR** or **LV** will turn ON and the related relay will activate.
- 2) Press and hold **PR** for 1 sec. and then release it. A sequence of 7 flashes of the LEDs (**LR** and **LV**) starts. Note the LED color sequence. Refer to the following table to decode the sequence.

Flash sequence	1	2	3	4	5	6	7
LV (green LED)	1	2	4	8	16	32	64
LR (red LED)	0	0	0	0	0	0	0

LR=0 all the time.

Add the value of **LV** (where it flashes in the sequence) to obtain the memory position. See example below.

Example 1:

Flash sequence	1	2	3	4	5	6	7
LV (green LED)	-	-	Flash	Flash	-	-	-
LR (red LED)	Flash	Flash	-	-	Flash	Flash	Flash
Sequence Value	0	0	4	8	0	0	0

Memory position= 0 + 0 + 4 + 8 + 0 + 0 + 0= 12

The transmitter key is located at memory position #12.

ENROLLED TRANSMITTER KEYS

- 1) Press down **PV** for 1 sec. **LR** and **LV** LED starts a sequence of 7 flashes. Note the color sequence and refer to the above table to obtain the number of enrolled transmitter keys.

MEMORY RESET (FACTORY DEFAULT)

- 1) Press **PR** until **LR** LED turns on.
- 2) Release **PR** and within 1 sec. press **PR** and **PV** simultaneously until **LR** and **LV** LED starts to flash 3 times (about 4 sec.)

At this point all settings are erased and the receiver is reset to factory default.

COMPATIBLE TRANSMITTERS



2-Channel Transmitters
S2TR2641E2
Available with built-in proximity badge
S2TR2641E2H



2-Channel Mini Transmitters
Red: SETR2641AM2R
Blue: SETR2641AM2B
Burgundy: SETR2641AM2C
Dark Gray: SETR2641AM2N

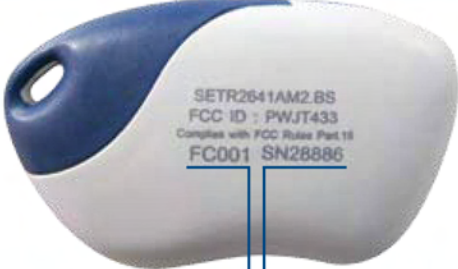


2-Channel Ultra-Thin Transmitters
S5TR2641E2S

4-Channel Ultra-Thin Transmitters
S5TR2641E4S

Available with optional built-in proximity badge

FACILITY CODE AND SERIAL NUMBER LOCATION



Facility code (FC)= 001 Serial Number (SN)= 28886

Relay 1 (Red LED): _____

Relay 2 (Green LED): _____

#	FC Code	Serial #	Key Button	Relay	User Name
1			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
2			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
3			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
4			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
5			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
6			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
7			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
8			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
9			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
10			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
11			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
12			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
13			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
14			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
15			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
16			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
17			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
18			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
19			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
20			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
21			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
22			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
23			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
24			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
25			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
26			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
27			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
28			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
29			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
30			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
31			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
32			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
33			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
34			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
35			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
36			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
37			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
38			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
39			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
40			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
41			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
42			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	

#	FC Code	Serial #	Key Button	Relay	User Name
43			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
44			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
45			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
46			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
47			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
48			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
49			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
50			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
51			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
52			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
53			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
54			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
55			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
56			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
57			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
58			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
59			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
60			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
61			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
62			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
63			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
64			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
65			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
66			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
67			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
68			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
69			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
70			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
71			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
72			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
73			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
74			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
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79			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
80			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
81			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
82			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
83			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
84			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	
85			A ☐ B ☐ C ☐ D ☐	1 ☐ 2 ☐	