



2-Relay Wireless Receiver SEL2641R433-IP Instruction Manual





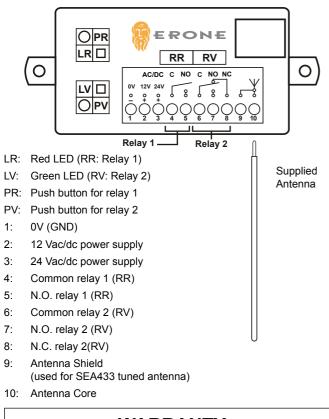
RECEIVER INTRODUCTION

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:

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

a) Locally at the receiver

To activate Relay 1 (RR)

- 1) 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.
- 3) 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)

- 1) 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, ${\bf LV}$ LED will turn on , ${\bf LR}$ LED will flash and relay 2 (${\bf RV}$) 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
- 3) 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.(Biiiiiiiii); Press key A of TX2 within 2 sec.

Press keys A & B of TX1 (bip); Press key B of TX1 for 4 sec.(Biiiiiiii);); 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.

- 1) Press down **PR** or **PV** for 4 sec. until the corresponding LED remains lit, then release it.
- 2) 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.
- 4) At the end of the sequence \mathbf{LV} or \mathbf{LR} LED will turn on.
- 5) 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 ${\bf PR}$ or ${\bf PV}$ 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).
- 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 seclected	(0)
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) **PV**= selected (1)

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

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

MEMORY POSITION

- Press transmitter key to verify if its associated to the receiver. LR or LV will turn ON and the related relay will activate.
- 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	
I = 0 all the time								

LR=0 all the time

Add the value of ${\rm LV}$ (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

 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.

2-Channel Transmitters

4-Channel Transmitters

Ultra-Thin Transmitters S5TR2641E2S

Ultra-Thin Transmitters S5TR2641E4S

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

Available with built-in

S2TR2641E2

proximity badge

S2TR2641E2H

S2TR2641E4

2-Channel

4-Channel

COMPATIBLE TRANSMITTERS



3333



built-in proximity badge

FACILITY CODE AND SERIAL NUMBER LOCATION





Relay 2 (Green LED):_____

			1						1
#	FC Code	Serial #		Key E	Butto	n	Re	lay	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□	В□	C□	D□	1 🗆	2	
9			A□	В□	C□	D□	1 🗆	2	
10			A□	В□	C□	D□	1 🗆	2□	
11			A□	В□	C□	D□	1 🗆	2□	
12			A□	В□	C□	D□	1 🗆	2□	
13			A□	В□	C□	D□	1 🗆	2□	
14			A□	В□	C□	D□	1 🗆	2□	
15			A□	В□	C□	D□	1 🗆	2□	
16			A□	В□	C□	D□	1 🗆	2□	
17			A□	В□	C□	D□	1 🗆	2□	
18			A□	В□	C□	D□	1 🗆	2□	
19			A□	В□	C□	D□	1 🗆	2□	
20			A□	В□	C□	D□	1 🗆	2□	
21			A□	В□	C□	D□	1 🗆	2	
22			A□	В□	C□	D□	1 🗆	2□	
23			A□	В□	C□	D□	1 🗆	2□	
24			A□	B□	C□	D□	1 🗆	2□	
25			A□	В□	C□	D□	1 🗆	2□	
26			A□	В□	C□	D□	1 🗆	2□	
27			A□	В□	C□	D□	1 🗆	2□	
28			A□	В□	C□	D□	1 🗆	2□	
29			A□	В□	C□	D□	1 🗆	2□	
30			A□	B□	C□	D□	1 🗆	2□	
31			A□	В□	C□	D□	1 🗆	2□	
32			A□	В□	C□	D□	1 🗆	2□	
33			A□	В□	C□	D□	1 🗆	2	
34			A□	В□	C□	D□	1 🗆	2	
35			A□	В□	C□	D□	1 🗆	2	
36			A	В□	C□	D□	1 🗆	2	
37			A□	В□	C□	D□	1 🗆	2	
38			A□	В□	C□	D□	1 🗆	2□	
39			A		C□	D□	1 🗆	2	
40			A□		C□	D□	1 🗆	2□	
41			A		C□	D□	1 🗆	2	
42			A□	В□	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		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 🗆	
75	A B C D	1 🗆 2 🗆	
76	A B C D	1 🗆 2 🗆	
77	A B C D	1 🗆 2 🗆	
78	A B C D	1 🗆 2 🗆	
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 🗆	

