

# ERONE - 4 RELAYS MINI RECEIVER 433 Z4

## Introduction

The receiver Erone type SEL2641 R433-Z4 is designed for the control of automatic closing systems and anti-burglar systems, thanks to its very high security coding system (KeeLoq™ Hopping code). The code sent by the transmitter changes at every activation, avoiding any scanning and copying risk. A special algorithm allows to keep transmitter and receiver synchronized. The receiver has 4 output relays with NO and NO/NC contacts, and can be connected to many types of mechanics as gates, garage doors, rolling shutters, awnings, anti-burglar appliances, lighting, etc. The programming can be done in self-learning mode with one button. The appliance full complies with the European Directives 89/336/EEC, 73/23/EEC and Regulation EN 60950

## Technical specifications

Receiver type	Superheterodyne
Carrier frequency	433,92 MHz
Local oscillator frequency	6,6128 MHz
Demodulation	AM/ASK
Local Oscillator	VCO / PLL
Channel width	> 25 KHz
Intermediate frequency	10.7 MHz
Input sensitivity	-115 dBm
Local oscillator spurious emissions	< -57 dBm
Input load:	50 Ohm
Power supply:	12 / 24 Vac/dc
Consumption:	Steady / 12 Vdc (2 relays excited) ..... 13 mA / 18 mA Steady / 24 Vdc (2 relays excited) ..... 24 mA / 41 mA
Max applicable power	2 4VA
Relay number	2
Contacts	NO, NO/NC
Memory capacity	85 user codes
TX security code	Rolling code
Max code combination number	2 <sup>64</sup>
Operating temperature	-20°/+70°C
Housing protection	IP65
Weight	gr. 130
Overall dimensions (mm)	80 x 80 x 50

## Composition (Fig. 3)

- 1 box with electronics
- 1 cover
- 2 screws
- 2 gum taps
- 1 antenna net
- 2 screws with plugs

## Positioning

The receiver allocation is very important for the best operation of the system. Place the receiver far from interference sources as big magnetic fields, informatic systems, radio emissions.

The installation and the antenna positioning is very important for the best receiving as well.

## I/O Contacts (Fig. 5)

terminal 1 = Contact NO Relay 1	terminal 2 = Contact C Relay 1
terminal 3 = Contact NO Relay 2	terminal 4 = Contact C Relay 2
terminal 5 = Contact NC Relay 2	terminal 6 = Contact NO Relay 3
terminal 7 = Contact C Relay 3	terminal 8 = Contact NO Relay 4
terminal 9 = Contact C Relay 4	terminal 10 = Contact NC Relay 4
terminal 11 = Input supply Common	
terminal 12 = Input supply +12 Vac/dc	
terminal 13 = Input supply +24 Vac/dc	
terminal 14 = Pole Antenna	terminal 15 = GND Antenna

**WARNING: The contacts can't be connected to parts at hazardous voltage.**

## Relay K4 Configuration (Fig. 4)

The relay K4 can be configured in step mode. Depending upon the position of the jumper JP1, the relay will be in "Pulse mode" (JP1 open) or "Step mode" (JP1 closed).

In step mode the relay excites at the first right transmission and releases at the next one.

## Transmitter memorization

The receiver makes the memorization of the transmitters buttons in sequential way. Keep the button **P1** pressed down until the led **DL1** switches on, release **P1** and push again to select the relay to program. Push the transmitter key which has to be memorized. The selected relay excites for a while and the led corresponding led make a flash. At the end of this step, the led remains lit for other 2 sec. During this time it is possible to store other transmitters just pushing the transmitter key. After the led has switched off the procedure has to be followed by the beginning.

## Single transmitter cancelling

Keep the button **P1** pressed down until the led **DL1** switches on; release **P1** and push the key of the transmitter to cancel: if this one was stored, it will be cancelled.

At the end of the operation both the led **DL3** and **DL4** blink 2 times to confirm.

## Complete memory reset

Keep the button **P1** pressed down until the first red led **DL1** switches on, release it, push it again and keep it pushed down until 3 blinks of the leds **DL3** and **DL4** occur. In this way the memory is completely cancelled.

## Memory Full

In case of full memory, that means **85** transmitters are already stored, if one try to store an extra transmitter, a sequence of 3 blinks of **DL3** and **DL4** occurs and the operation fails.

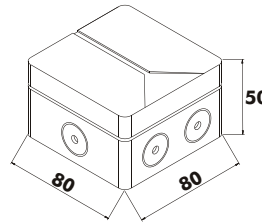


Bild./Fig. 1

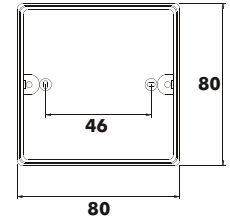


Bild./Fig. 2

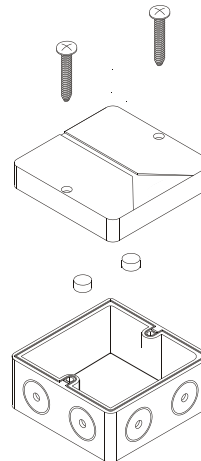


Bild./Fig. 3



Bild./Fig. 4

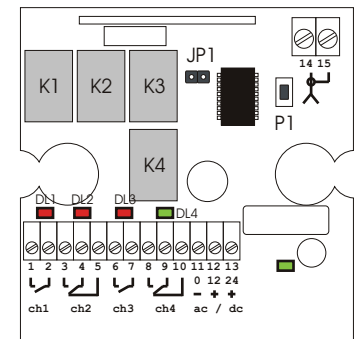


Bild./Fig. 5

## GARANZIA

La garanzia su questo prodotto è di 24 mesi dalla data di fabbricazione apposta all'interno. Durante tale periodo, se l'apparecchiatura non funziona correttamente, a causa di un componente difettoso, essa verrà riparata o sostituita a discrezione del fabbricante. La garanzia non copre l'integrità del contenitore plastico.

## GUARANTEE

The guarantee period of this products 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.

## GARANTIE

Die Garantie beträgt 24 Monate vom Innen angezeigten Herstellungsdatum. Die Garantie umfasst die Funktion der elektronischen Bauteile unter Voraussetzung des korrekten Anschlusses.

Die Garantie umfasst keine äußeren Beschädigungen am Gehäuse durch Fremdeinwirkung oder falsche Installation.

## GARANTIE

La période de garantie des produits est de 24 mois, à compter de la date de fabrication. Durant cette période, si les produits ne fonctionnent pas correctement, cela en raison d'un composant défectueux, le produit sera réparé ou remplacé à la discrétion du fabricant. La garantie ne couvre pas le boîtier en plastique. Le service après-vente sera fourni par le fabricant.

## GARANTÍA

La garantía es de 24 meses a partir del fecha de fabricación indicada en el interior. Durante dicho periodo, si el aparato no funciona correctamente, a causa de un componente defectuoso, se reparará o sustituirá a discreción del fabricante. La garantía no cubre la integridad de la caja de plástico.

La garantía se presta en la sede del fabricante.



For more information:  
[www.devancocanada.com](http://www.devancocanada.com)  
 or call toll free at 855-931-3334