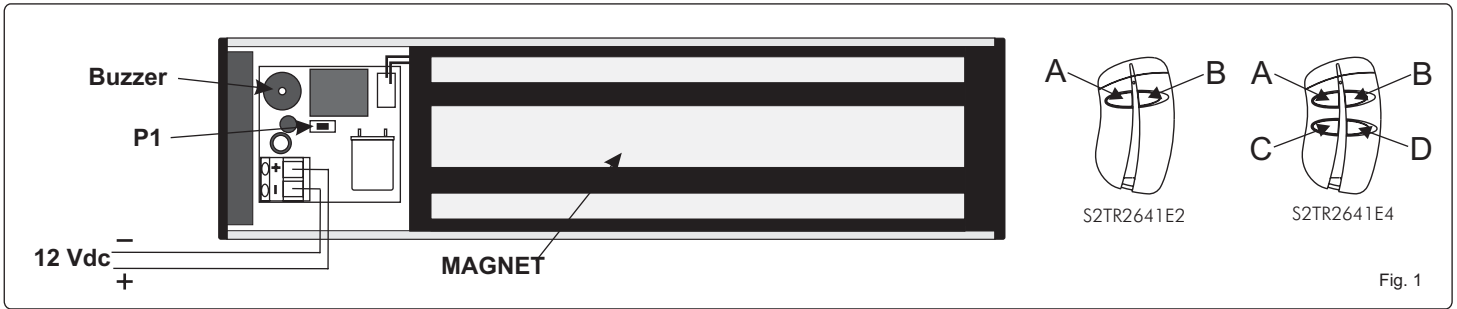


# RADIO SWITCH CARD FOR MAGLOCKS

## 1. Introduction

The receiver card SEL2641R433-RVM is a radio-switch designed to drive a door maglock. The maglock release command is sent by radio with a 2 key transmitter type S2TR2641E2 or a 4 key transmitter type S2TR2641E4. The electronic card includes the radio receiver and the main microprocessor. It has to be fitted inside the case of the maglock.



## 2. Technical specifications

### Radioswitch card

Receiver type .....	Superheterodyne
Carrier frequency .....	433,92 MHz
Local oscillator frequency .....	6,6128 MHz
Demodulation .....	AM/ASK
Input load .....	50 Ohm
Channel width .....	> 25 KHz
Intermediate frequency .....	10,7 MHz
Input sensitivity ( for good signal ) .....	-115 dBm
Local oscillator emissions .....	< -57 dBm
Power supply .....	12 Vdc ± 10%
Output voltage .....	12 Vdc
Max output current .....	5A
Memory capacity .....	10 Tx
Operating temperature .....	-20°/+70°C
Dimensions (mm) .....	38 x 40 x 18

### Transmitter

N° of keys: .....	2 or 4
Power supply .....	12 Vdc
Battery life: .....	12 ÷ 18 months
Battery type: .....	23A - L1028
Current consumption : .....	25 mA
Transmission frequency : .....	433.92 MHz
Security combination number: .....	2 <sup>64</sup>
Modulation : .....	AM/ASK
E.r.p. : .....	100 ÷ 200 µW
Range in open space : .....	150 ÷ 250 m
Operating temperature : .....	-10 °C ÷ +55 °C
Dimensions : .....	81 x 46 x 16 mm
Weight : .....	40 g

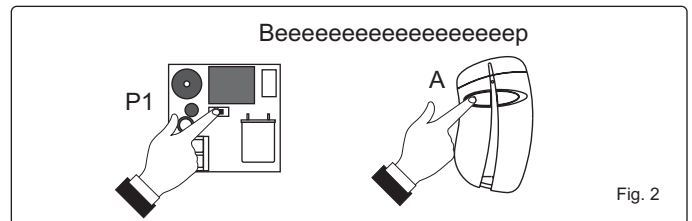
## 3. Main features

- Default opening time.....4 sec.
- Programmable opening time range.....1 - 10 sec.
- Direct or wireless transmitter memorisation
- Full memory erasure
- Single transmitter cancelling
- Exclusion of the acoustic signal at the door opening
- NC output contact

## 4. Transmitter memorisation

### 4.1 Memorising with P1 push-button (Fig. 2)

The transmitter memorisation is carried out with the push-button P1 of the card. Push P1 and keep it pressed down until the buzzer emits a long beep. Before the end of the beep, push the transmitter key.



### 4.2 Wireless memorising (Fig. 3)

Use this procedure to memorise the transmitters without access to the push button P1 of the receiver card.

Push simultaneously the keys A + B of the transmitter up to the beep of the buzzer.

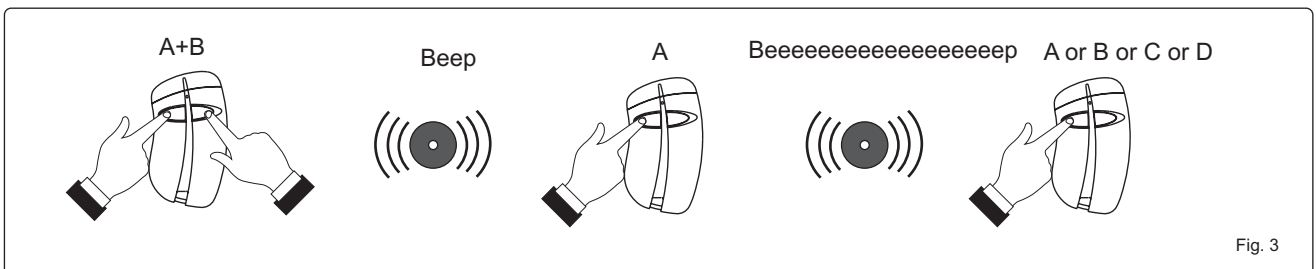
Release and keep pushed the key A up to the long beep of the buzzer.

Release and push again the key of the transmitter to memorise ( A or B or C or D ) always before the end of the beep.

To memorise another transmitter use a transmitter already in memory

Push simultaneously the keys A + B of the transmitter already memorised up to the beep. Release and keep pushed the key A until the long beep of the buzzer.

At this point push the key of the new transmitter.



## 5. Full memory

When the memory is full and you try to memorise another transmitter, the buzzer emits 3 beeps and the operation fails.

## 6 . Memory erasure

### 6.1 Single transmitter cancelling ( Fig. 4)

The procedure to cancel the single transmitter is the identical to the memorisation and is carried out by using the push-button P1

Push P1 and keep it pressed down until the buzzer does a long beep.

Before the end of the beep, push the transmitter key.

If the transmitter was memorised, it will be cancelled.

### 6.2 Full memory erasure ( Fig. 5)

This procedure can be done only with the button P1

Push P1 and keep it pushed up to the long beep of the buzzer; release and next, before the end of the long

beep, push it again and keep it pushed until the buzzer emits 3 short beep.

At this point the memory has been completely erased.

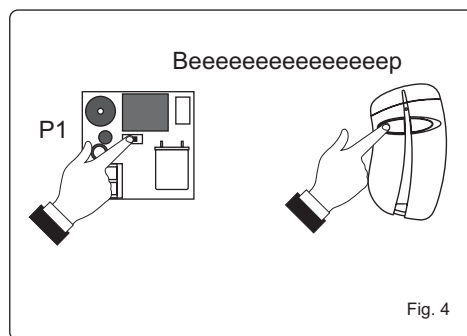


Fig. 4

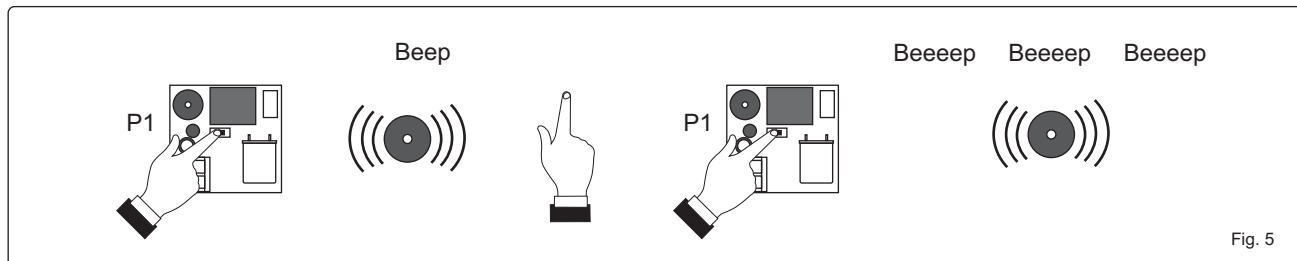


Fig. 5

## 7. Exclusion of the acoustic signal at the door opening ( Fig. 6)

At every door opening the buzzer emits a beep.

For the exclusion of the beep, proceed as follows: Push P1 and keep it pushed up to the long beep of the buzzer

Before the end of the beep, release P1 and push it again for a while.

The sound changes from continuous to intermittent: this is to confirm the successful changement. Follow the same procedure to restore the previous setting.

The sound will change from intermittent to continuous and door opening beep will occur again.

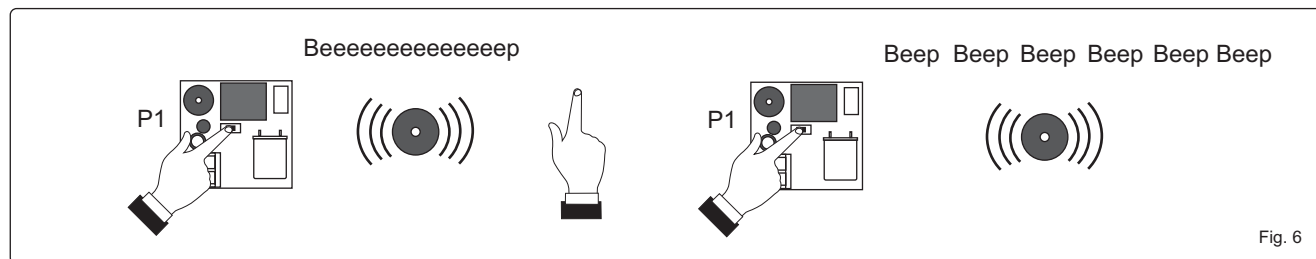


Fig. 6

## 8. Release time setting ( fig. 7)

The release time of the relays which cut-off the power to the magnet and allows the opening of the door is set by default to 4 sec.

To modify this time proceed as follows:

Push simultaneously the keys A + B of the transmitter already memorised up to the short beep of the buzzer.

Release and push the key B until start a beep sequence: these beeps are emitted every second.

To set the proper time, count the beep, and push P1 just after the beep corresponding to the the right time but before the next beep.

At the P1 release, the system will store the time corresponding to the beep number.

NOTE : the tenth beep lasts more then the others.

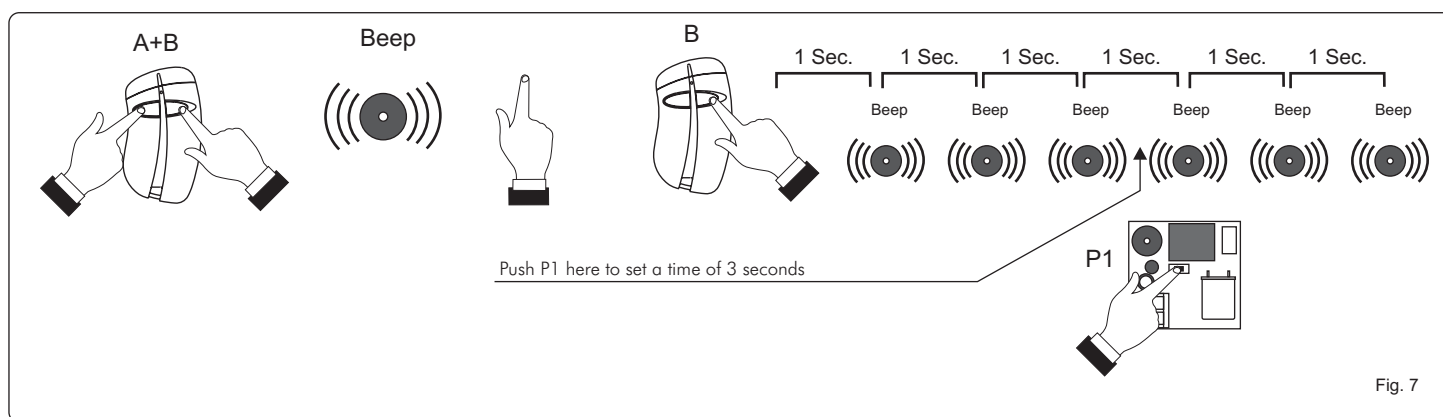


Fig. 7

### Warranty

Warranty period : 24 months from the production date placed inside.

In this period if the appliance has any malffuction due to defective component, it will be repaired or replaced by the manufacturer.

The assistance will be performed at the manufacturer site



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