

SDC Security Door Controls

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PROGRAMMING INSTRUCTIONS for the 400RC433 RECEIVER, ONE CHANNEL



REC 1 CHAN 433

1 - DESCRIPTION

The Nano Receiver is designed to control automatic closing systems and anti-burglar systems, thanks to it's very high security coding system (KeeLoq® Hopping code).

The operating frequency is among European harmonized frequencies; the product fully complies with the EMC European Regulations (CA).

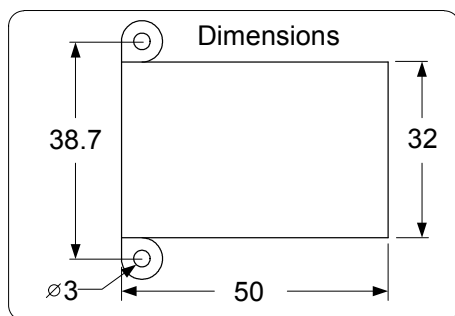
The code sent by the transmitter changes at every activation, avoiding any scanning and copying risk. A special algorithm allows for synchronization of transmitter and receiver.

The receiver has 1 output relay with NO contacts, and can be connected to many types of mechanics (gate, garage door, rolling shutters,, awnings, anti-burglar appliances, etc.).

All the receivers of this range can store into the EEPROM a serial number, a manufacturer key and a synchronization algorithm of more transmitters. The programming can be done in a self-learning mode by means of one button.

The housing protection allows indoor installations.

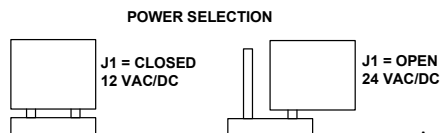
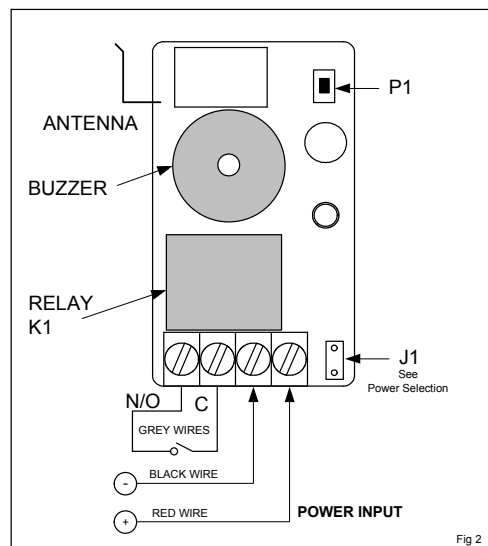
This appliance fully complies with the European Regulations 89/336/EEC, 73/23/EEC, EN 60950-1 and FCC Part 15.



2 – 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	< -57dBm
Input load	50 Ohm
Power supply	12 / 24 VAC/DC
Max applicable power	12 VA
Relay number	1
Contacts	C-NO
Memory capacity	85 user codes
TX security code	Rolling code
Max code combination number	2
Operating Temperature	-20 / +70 deg C
Housing protection	IP2X
Overall dimensions (mm)	50 x 32 x 20

3 – LAYOUT AND CONNECTIONS

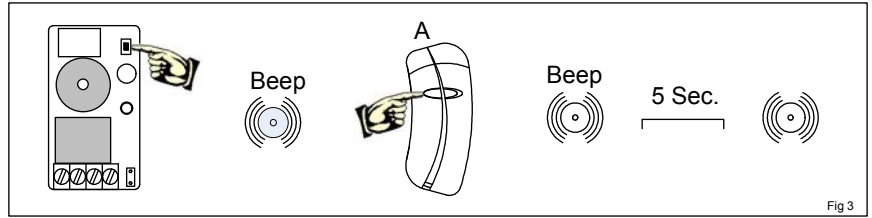


Any suggestions or comments to this instruction or product are welcome. Please contact us through our website or email engineer@sdsecurity.com

4 – TRANSMITTER PROGRAMMING

4.1 Using P1

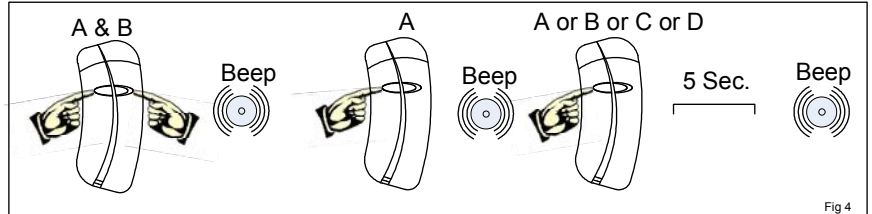
- 1) Keep P1 pressed down until the buzzer emits a short beep (Fig 3);
- 2) Push the key of the transmitter to program, and vary the beep of the receiver;
- 3) At this point, the receiver waits for more transmitters – 5 seconds after the last transmitter is programmed, the receiver makes a beep and the procedure ends.



4.1 Using P1

With this procedure it is possible to program the transmitters without accessing P1 (Fig 4)

- 1) Push simultaneously the keys A & B of the transmitter until it beeps.
- 2) Release and push the A key until the next beep of the buzzer (memory opening);
- 3) Release A and push the key of the transmitter to program (A or B) until the beep of the buzzer (memory closing).



NOTE: The Programming of a new transmitter can be done only using a transmitter already programmed. Use the transmitter already programmed to open the memory (Steps 1 & 2). Complete the procedure by pressing the key of the new transmitter to program.

5 – MEMORY FULL

If the memory is full when you try to program a new transmitter, the buzzer beeps three times.

6 – MEMORY ERASURE

6.1 Single Transmitter

- 1) Keep P1 pressed down until the buzzer beeps, then release it.
- 2) Push the key of the transmitter to delete until the buzzer beeps.

6.2 Full Memory Erasure

- 1) Push P1 until the buzzer beeps, then release it.
- 2) Release P1 and push it again until the buzzer beeps 3 times. At this point, the memory has been completely erased.

7 – ENABLING/DISABLING THE ACTIVATION BEEP

To program the receiver to make a beep at each relay activation, follow this procedure: (Fig 5)

- 1) Simultaneously press the A & B keys of a previously programmed transmitter.
- 2) Release and press the B key of the transmitter to enable the beep. to disable the beep, repeat the above procedure.

