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SECURITY DOOR CONTROLS ■ WWW.SDCSECURITY.COM

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INSTALLATION INSTRUCTIONS

400RC433
ONE CHANNEL RECIEVER

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.
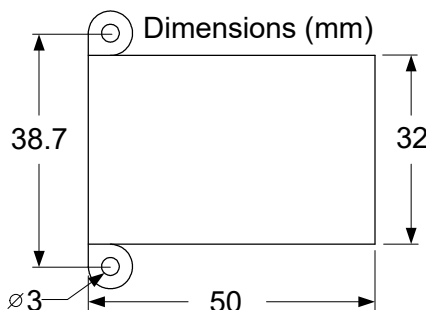
A special algorithm allows for synchronization of transmitter and receiver.

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.

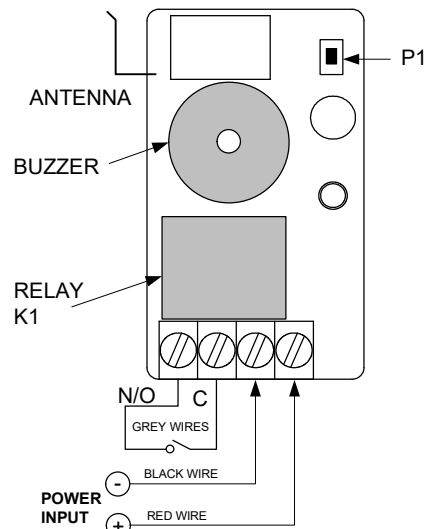The programming can be done in a self-learning mode by means of one button.

The housing protection allows indoor installations.
This appliance fully complies with the European Regulations89/336/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 or 24 VDC; (auto-sensing)
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

Dimensions (mm)

38.7   32

Ø3   50

POWER INPUT

ANTENNA
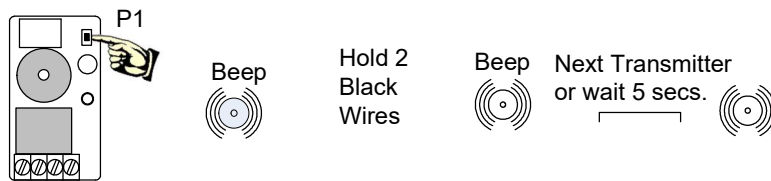BUZZER
RELAY K1
N/O   C
GREY WIRES
BLACK WIRE
RED WIRE
P1

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

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4 – TRANSMITTER PROGRAMMING
4.1 Using P1 to Program the 400W1-433 Transmitter

1) Keep P1 pressed down until the buzzer emits a short beep

2) Within 5 seconds, hold together the two stripped, black activation wires of the transmitter to be programmed until you hear 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.

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 P1 again until the buzzer beeps 3 times. At this point, the memory has been completely erased.