# HIVE® 1 Channel Nano RECEIVER

## USER MANUAL

Part No. RECTSNANO433

Transmitter SOLUTIONS®

# HIVE® 1 Channel Nano RECEIVER

## INSTALLATION

*Thank you for choosing this product.*
*Please read this manual before installing the product.*

RECTSNANO

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## 1 - DESCRIPTION

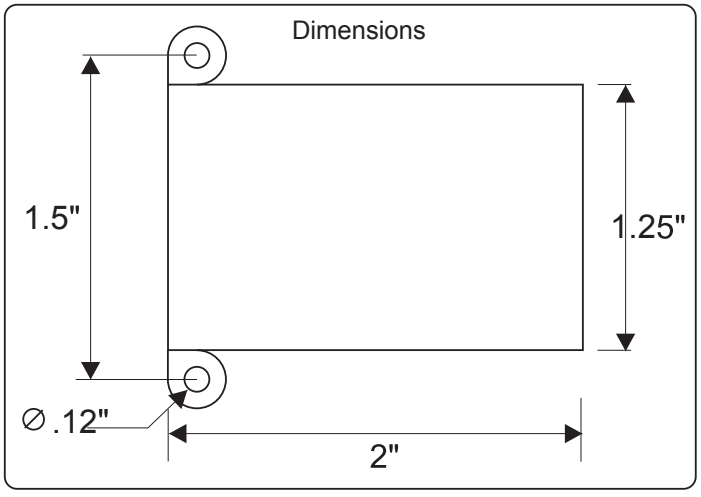
### 1A INTRODUCTION

The RECTSNANO receiver is designed to control automatic closing systems and anti-burglar systems, thanks to a high security coding system (KeeLoq ® Hopping code).

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, lighting, etc.).

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

The equipment fully complies with Standard FCC Part 15 and the European Directive 2014/53/UE.




## 2 - TECHNICAL SPECIFICATIONS

| | |
|---|---|
| Receiver type | Superheterodyne |
| Carrier frequency | 433.92 MHz |
| Demodulation | |
| Local Oscillator | VCO / PLL |
| Channel width | > 25 KHz |
| Input sensitivity | -115 dBm |
| Local oscillator spurious emissions | < -57 dBm |
| Input load: | 50 Oh |
| Power supply: | 12 - 24 Vac/dc |
| Max applicable power | 24VA |
| Current consumption : at rest<br>with relay excited | 9 mA ( @12V or 24V)<br>26 mA @ 12V<br>31 mA @ 24V |
| Relay number | 1 |
| Operating modes | Pulse / Delayed |
| Release delay | 1 - 30 Sec. |
| Contacts | C-NO |
| Memory capacity | 85 user codes |
| TX security code | Rolling code |
| Max code combination number | $2^{64}$ |
| Operating temperature | -4°/+158°F |
| Housing protection | IP2X |
| Overall dimensions (mm) | 2 x 1.25 x .75in. |

## 3 - LAYOUT AND CONNECTIONS

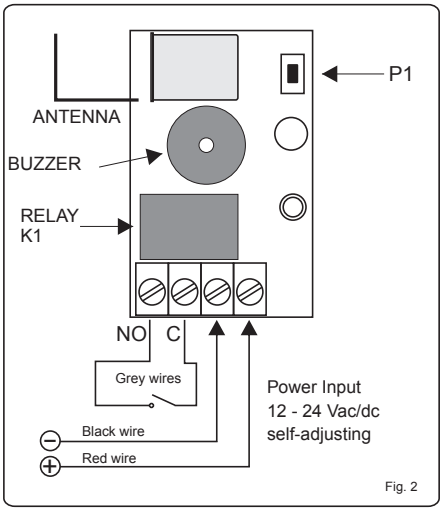



Fig. 2

- The equipment must be powered from a device that provides a safety extra low voltage (SELV) type LPS (Low Power Source);
- There must be a suitable disconnecting device to the current drawn by the receiver (90 mA max @ 12Vdc).

## 4 - OPERATING MODES AND RELEASE DELAY SETTING

The relay can operate in PULSE or DELAYED mode. The default pulse is 1 sec.

In delayed mode the release of the relay occurs after a programmable delay (1–30 sec.), see next paragraph.

During the delay time the reception of a further signal from the transmitter releases the relay.

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### Procedure

1) Push the button P1 continuously for 4 sec. until the buzzer makes one beep (Fig. 3); it's now possible to set a release delay for the relay different from the default (1 second): press P1 repeatedly to indicate the number of seconds of the delay (max. 30 second delay). 5 sec. after the last button push, the buzzer beeps and the procedure ends.

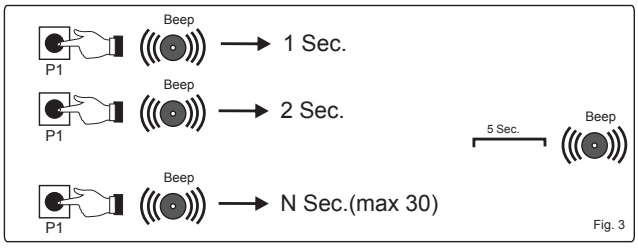

Fig. 3

## 5 - TRANSMITTERS MEMORIZATION

### 5.1 Using P1

1) Keep P1 pressed down until the buzzer BUZ emits a short beep (Fig. 3)
2) Push the transmitter key you want to memorize. The receiver will beep verifying memorization.
3) The receiver waits 5 seconds for more transmitter memorization. After 5 seconds the receiver beeps indicating the end of the procedure.

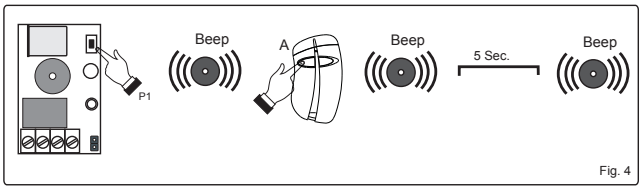

Fig. 4

### 5.2 Without P1

*With this procedure you can memorize transmitters without accessing button P1 ( Fig. 4).*

1) Push keys A and B simultaneously until the transmitter beeps
2) Release and then key A until the next beep (memory opening)
3) Release A and push the key of the transmitter to memorize ( A or B) until you hear a beep ( memory closing). **NOTE:** The memorization of a new transmitter can only be done by using a previously memorized transmitter. Use the memorized ttransmitter to open the memory (step 1 and 2).Complete the procedure by pressing the key of the new transmitter to memorize.

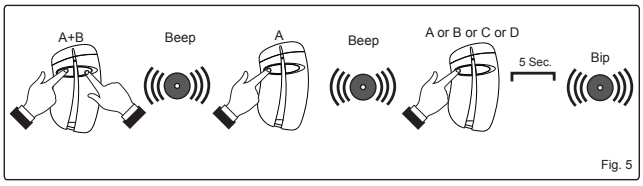

Fig. 5

### 6 . Memory full

If the memory is full, when you try to memorize a new transmitter you will hear 3 beeps.

### 7 . Memory erasure

***7.1 Single transmitter***

1) Push P1 until the beep, then release it.
2) Push the key of the transmitter to delete until you hear a beep.

***7.2 Full Memory erasure***

1) Push P1 until the beep, then release it
2) Release P1 and push it again until tyou hear three beeps: at this point the memory has been completely erased.

### 8. Enabling/disabling the activation beep ( Fig. 6)

It's possible to program the receiver to beep at each relay activation. To do this, follow the procedure below.

1) Press keys A+B of a previously memorized transmitter .
2) Release and press the B key of the transmitter until the beep. To disable the beep repeat the above procedure.

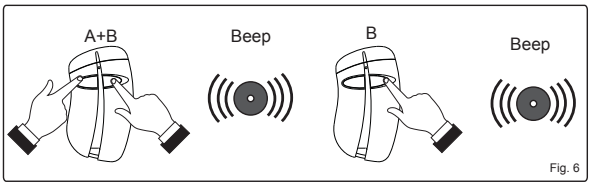

Fig. 6

## GUARANTEE

The warranty period of Transmitter Solutions receivers is 24 months, beginning from the manufacturing date of the transmitter. During this period, if the product doesn't operate correctly, due to a defective component, the product will be repaired or replaced at the sole discretion of Transmitter Solutions.This warranty does not extend to the receiver case which can be damaged by conditions outside the control of Transmitter Solutions.



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