

Part Number: AC-7200

Introduction

The AC-7200 All in One RF Receiver from Controlsoft® is a single door Access Control Unit (ACU), compatible with Controlsoft AC-7302 and AC-7304 Radio Transmitters.

Powered by a 12v or 24v (AC or DC) power supply, the RF Receiver connects to the door lock via a single relay with voltage free changeover contacts.



Function

The All in One RF Receiver has three different operating modes:

- 1 PULSE MODE — Press the transmitter button to activate the relay for 3 seconds. The relay then automatically deactivates.
- 2 TOGGLE MODE — Press the transmitter button to activate the relay. Press the transmitter button again to deactivate the relay.
- 3 DEAD MAN'S MODE—Press and hold the transmitter button to activate the relay. Release the transmitter button to deactivate the relay.

The All in One RF Receiver also has an input which activates the relay when shorted. This input is typically used for a Request to Exit (REX) button.

The AC-7302 and AC-7304 Transmitters have individual transmitter identification codes. The All in One RF Receiver supports up to 10 different radio transmitter codes, although the system can be expanded further by purchasing transmitters pre-programmed with duplicate codes. Please contact Controlsoft for further information.

Configuring the Relay Operating Mode

Caution! The All in One RF Receiver MUST be powered down BEFORE changing the Relay Operating Mode.

Select the Relay Operating Mode using jumper J1:

J1 in Position 1-2: PULSE Mode.

J1 in Position 2-3: TOGGLE Mode.

J1 in Position 3-4: DEAD MAN'S Mode.

Connections

RELAY OUTPUT:

NC1 — Normally Closed Relay Contact.

NO1 — Normally Open Relay Contact.

COM1 — Common Relay Contact.

NOTE: ALWAYS fit a MOV across devices connected to the relay.

REQUEST TO EXIT BUTTON:

The push button is connected across the CH1 pins.

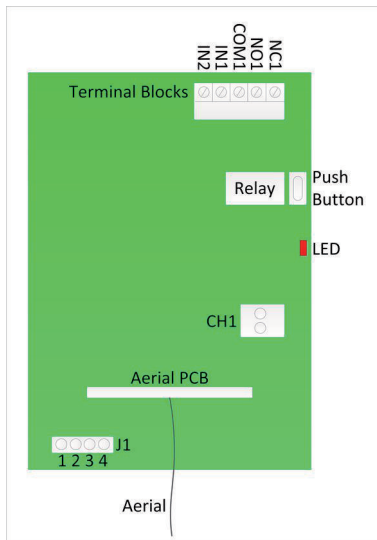
POWER:

Apply power (12v or 24v AC or DC) to terminals IN1 & IN2. It is not mandatory to connect these in any particular way.

When first powered up, the red LED will light for approximately 1 second.

LED

The LED pulses twice when a signal is received from a transmitter (whether learned in or not)




Learning in Transmitters

- 1 Press and hold the Push Button on the receiver until the red LED starts to flash slowly
- 2 Release the Push Button.
- 3 Press one of the buttons on the transmitter; the LED will switch off to indicate that the transmitter has been learned in.
- 4 When the button on the AC-7302 is pressed the relay will now activate


Repeat steps 1 to 4 for other transmitters with individual transmitter identification codes. If transmitters have been ordered with duplicate transmitter codes, only one needs to be learned in.

Resetting the Receiver


Press and hold the Push Button on the receiver PCB until the LED is constantly on. Release the button and the receiver will clear all transmitter codes from its memory.






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