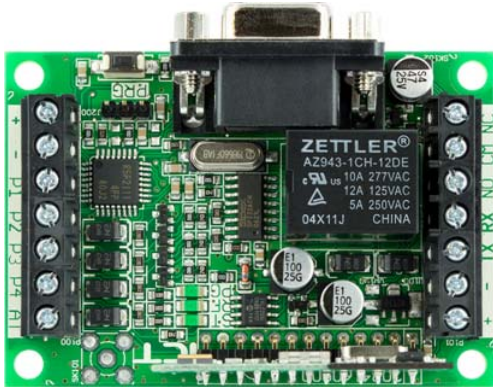# Wireless 433MHz Receiver

The Wireless 433MHz Receiver provides a fast and simple integration of Security Expert 4 or 2 button remote transmitters into any alarm or access control system. The standalone functionality allows for easy, secure operation of gates or other access areas where convenience is required.

Feature Highlights

- 4 operation modes: RS-232, Wiegand, standalone and PGM control
- Per channel digital reception sensitivity using RSSI configuration
- 600 user (transmitter ID) capacity in standalone mode. Unlimited users in Wiegand pass through mode.
- 4 open collector programmable outputs
- 1 FORM C relay output

Configuration

The Wireless 433MHz Receiver provides the user with two different configuration interfaces:

- Programming via RS-232 serial connection to a PC
- Built in terminal menu to access all options

Standalone Mode

Standalone mode for convenience allowing quick user programming via the Add Each Press mode to allow transmitters to be stored individually with button presses.

Mode Setup

A variety of operational modes provides the user with flexibility to achieve the setup required. These include:

- Pass through mode for seamless integration into Security Expert systems.
- Site code mode for secure control in accepting only devices with the specified site code programmed.
- Individual user mode for standalone setups, allowing storage of up to 600 individual transmitter ID numbers.
- Individual user range mode for standalone setups to accept remotes with transmitter ID numbers withing the specified range.
- Select NO or NC states for each of the 4 outputs as well as the relay output.
- Pulse or toggle and hold modes for user programming.

Applications

Can be utilized in a range of applications, including:

- Vehicular gate operation
- Apartment complex access control
- Building/home automation functions
- Remote security system control

Technical Specifications

Operating Voltage	12VDC
Operating Current	55mA
Receiver Type	Synthesized PLL
Demodulation	AM/ASK
Frequency	433.92MHz
Sensitivity	-121dBm
Input Impedance	50Ω
Output Code Combinations	10
Modulation	AM/ASK
Rated E.R.P	58 to 100mW
Range in Free Space	100-200m (328 to 656ft)
Operating Temperature	-20˚ to 70˚C (-4˚ to 158˚F)
Dimensions (L x W x H)	73 x 50 x 26.5mm (2.87 x 1.96 x 1.04")
Weight	56g (1.97oz)

Ordering Information

RF-RCVR-433	Wireless 433MHz Receiver

Regulatory Notices

Federal Communications Commission (FCC)

FCC Rules and Regulations CFR 47, Part 15, Class A.

This equipment complies with the limits for a Class A digital device, pursuant to Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference; (2) This device must accept any interference received, including interference that may cause undesired operation.

Industry Canada

ICES-003

This is a Class A digital device that meets all requirements of the Canadian Interference-Causing Equipment Regulations.

CAN ICES-3 (A)/NMB-3(A)

RCM (Australian Communications and Media Authority (ACMA))

This equipment carries the RCM label and complies with EMC and radio communications regulations of the Australian Communications and Media Authority (ACMA) governing the Australian and New Zealand (AS/NZS) communities.

CE – Compliance with European Union (EU)

Conforms to European Union (EU) Low Voltage Directive (LVD) 2014/35/EU, Electro-Magnetic Compatibility (EMC) Directive 2014/30/EU and RoHS Recast (RoHS2) Directive: 2011/65/EU.

This equipment complies with the rules of the Official Journal of the European Union for governing the Self Declaration of the CE Marking for the European Union as specified in the above directive(s).