

i-Key 4 Receiver Quick Reference Guide

Compliance

i-Key products are compliant with the following organizations



1.0 CABLE REQUIREMENTS

The i-Key 4 RX receiver may be connected into a standard access control system via the Wiegand interface. The connection procedure is exactly the same as a standard proximity reader with a Wiegand output. The i-Key 4 RX is connected to the access control system with up to 100m (328 feet) of 6 core shielded stranded cable. As per Wiegand specifications AWG 24 (Belden 9537) is the minimum gauge required for reliable data transfer. Other gauges may be required depending on cable voltage drops.

2.0 OUTPUT FORMATS

The i-Key 4 RX has 4 Wiegand data outputs: A, B, C and D each having a Data 0 and Data 1. Wiegand output A outputs the i-Key 4 TX pendant's card number when button 1 is pressed on the pendant, with output B corresponding to button 2 etc.

DATA FORMATS

Industry standard 26 bit Wiegand
Custom Wiegand (available as an option)

3.0 GROUNDING

The Ground Terminal on the i-Key RX must be tied to the Ground on the Access Controller in the event of a separate power supply being used for the RX.

4.0 POWER

The i-Key 4 RX requires 10-14V DC. Current draw is approx 40mA.

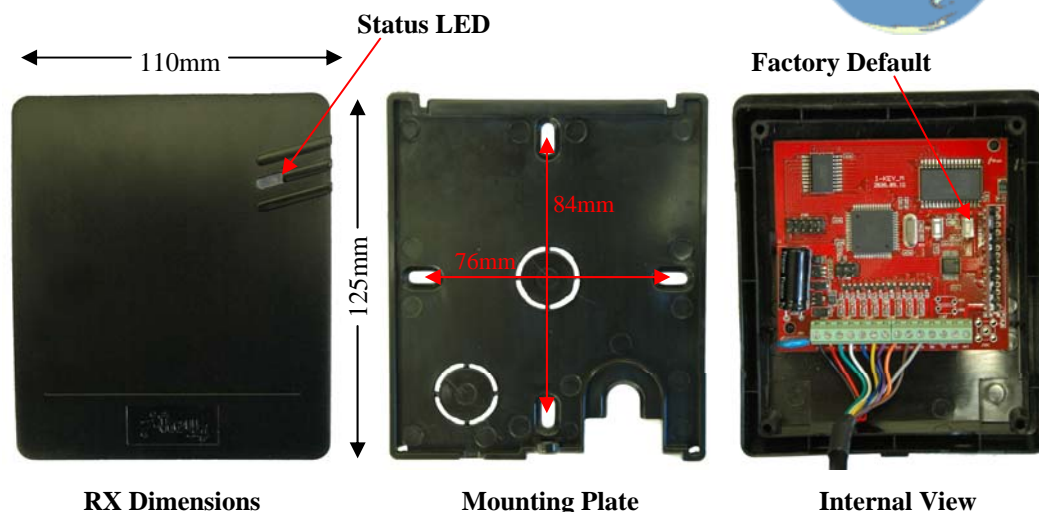
5.0 STATUS LED

The Status LED is red when the unit is powered on and receiving. The Status LED flashes green when a transmission is received.

6.0 MOUNTING

The i-Key 4 RX may be mounted to a wall via two of the mounting holes on the backplate. The receiver then clips over the backplate and is secured by a screw at the base of the unit. Extra knockouts are available for different cable entry options. Always check mounting location on site before final installation. i-Key 4 is an RF device and as such may be susceptible to RF interference from nearby electrical devices and shielding from metal objects.

6.0 MOUNTING (cont)



7.0 WIRING i-Key RX Receiver

Ground	Black
+12V	Red
Data 0 A	Green
Data 1 A	White
Data 0 B	Blue
Data 1 B	Yellow
Data 0 C	Purple
Data 1 C	Orange
Data 0 D	Brown
Data 1 D	Grey

8.0 CUSTOMER CODE CONFIGURATION AND FACTORY RESET

The i-Key 4 RX Status LED will flash red when it is in factory reset state. It will automatically learn and store the first customer code it reads. The Status LED will be steadily lit red and will flash green when a transmitter with matching customer code is detected. All transmitters with a different customer code will be ignored.

To reset the RX to factory defaults, press and hold the Factory Default button for a few seconds. The Status LED will flash green/red in quick succession. Release the Factory Default button and press it again momentarily and the Status LED will begin flashing red to indicate it has been reset and is ready to learn in a customer code.