

## CS Technologies Wireless Wiegand Receiver

### Product Overview

The CS Technologies 6 channel Wiegand receiver is a long range, high security RF receiver which employs KEELOQ® code hopping encryption technology.

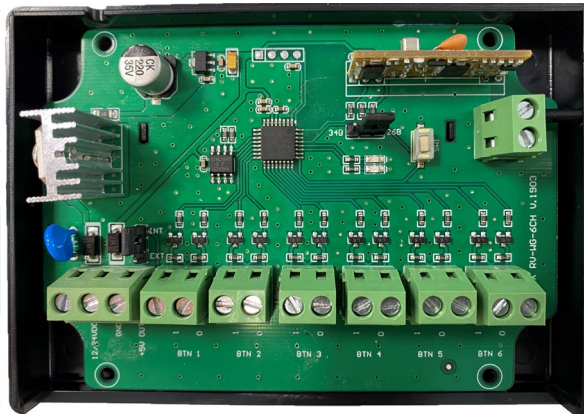
It provides 6 output channels of 26-bit Wiegand protocol and connects to the access controller in the same way as 6 separate card readers would.

2 and 4 button CS RF transmitters are available.

Note: Pressing buttons 1 + 2 at the same time will trigger channel 5. Pressing 3 + 4 triggers channel 6.

The receiver outputs the transmitters 26-bit number to the corresponds channel for each button pressed (1,2,3,4,5 or 6). This Wiegand ID information is then directed to the input on the access control panel.

There is virtually no limit for the number of keyfobs encoded with Wiegand 26-bit code that can be processed by the receiver. The CS Technologies wireless Wiegand receiver will only work with keyfobs encrypted with KEELOQ® code hopping technology.



Note: 1. Our range of CS Technologies keyfobs can be optionally supplied with embedded coils and programmed in HID, EM or Mifare format for further integration into your access control system.

2. All our Wiegand keyfobs are also compatible with our CS Technologies 6 channel standalone wireless relay receivers.

### Installation and Setup

1. For best performance it is recommended the receiver should not be installed on or next to a metallic surface. If the receiving distance is poor or you get interference from other devices you may improve this by relocating the receiver to another location.
2. Connect receiver to a DC power source (12 - 24 VDC) and connect the Wiegand outputs (D0 & D1) from the receiver to the Wiegand 26 access control system. The Wiegand ID outputs of the receiver can also be connected in parallel with the output of any card reader to the Access Control System.
3. All CS Technologies Wiegand 6 channel receivers are set for operation with Wiegand 26-bit code which is the most common for access control systems.
4. Test the keyfobs and Wiegand Receiver with the access control systems.



## Specification

<b>Operating Voltage</b>	12-24 VDC
<b>LED indicator</b>	Red LED - Reception of KEELOQ® RF signal Blue LED - Transmission of Wiegand signal
<b>Current Consumption @ 12 VDC</b>	10 mA maximum
<b>Physical Dimensions</b>	124L x 32W x 80H (mm) (includes mounting tabs)
<b>Case Material</b>	ABS plastic
<b>Output Channels</b>	Jumper shunt selectable INT: 10K pull up to 5 VDC Removed: Open Collector EXT: +5 VDC output terminal active for selection of user
<b>Output Options</b>	6
<b>Reverse Polarity Protection</b>	Yes (Diode)
<b>RF Operating Frequency</b>	433MHz
<b>Wiegand outputs</b>	Standard Wiegand 26 bits
<b>RF Signal type (Data Transfer)</b>	KEELOQ® Code Hopping, On Off keying (OOK)
<b>Coding Combination</b>	4.2 billion
<b>Compliance</b>	CE
<b>RF working distance</b>	100 meter open air, 30 meter typical urban environment.

CS Technologies reserves the right to change specifications without notice in the interest of product development

## Warranty

CS Technologies warrants that product to be free from defects in materials and workmanship for a period of 1 year from date of purchase. In the event of failure, the manufacturer will repair or replace the product at its sole discretion. It will not be responsible for any loss or damages in association with use of its products. This warranty does not apply in the event of accidental damage, improper use, abuse, misuse, non-approved purpose, or act of God.

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