



# **RFR-WID**

**28Bit Code Hopping Receiver  
with 34Bit Weigand  
Identification Output**

## **USER MANUAL**



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## 1. INTRODUCTION

The RFR-WID Module was designed as a Remote Access Control Radio Frequency Receiver with a 34Bit Weigand Transmitter Identification Output to be used with a Standard Access Control Controller for the control of Access for users utilising Radio Frequency Remote Keyring Transmitters.

The High Level of Access Control makes the RFR-WID suitable for use in the following applications and a lot more:

- Corporate Parking Access Control
- Alarm Activation and Deactivation Control
- Etc. ...

### 1.1 Build-in Features

The RFR-WID was designed to be used at a wide variety of locations and the following features were added with this in mind:

- 9 to 18Volt DC Input Voltage
- 433MHz Code Hopping Receiver Module
- Secure Code Identification
- 34Bit Weigand Output Interface
- Optional - Open Contact Relay Output with Local Authentication
- Optional – Real Time Clock for Time Zone Control with Backup Battery
- Optional – Transmitter Battery Life Reporting Feature.

These features could be build up modularly to cut on product cost and prevent the wastage of unused features.

## 2. CONNECTING THE MODULE

### 2.1 Installation Precautions.

*The supplier or Manufacturer does not cover damage due to static, lightning or mishandling of the module.*

### 2.2 Mounting the Unit

Select a suitable location for mounting of the unit, about 1.5 to 2.5 meters from the ground and within reasonable distance from the location where the Remote Transmitter are going to be used.

Unclip the Mounting Clip from the back of the unit.

Using the Mounting Clip mark the holes to be drilled or screwed and mount the Mounting Clip.

Make sure the screws used are countersunk and do not protrude into the unit making shorts when switched on.

Slide the unit from the bottom into the Mounting Clip until properly clipped onto the wall.

### 2.3 Power and 34Bit Weigand Connection

Using the 4Core wire provided connect as indicated below:

No	Wire Color	Description
1	RED	+9 to 15Volt DC
2	BLACK	Ground
3	WHITE	DATA0
4	GREEN	DATA1

Make sure of the Connections before switching on the power..

## 3. Use the Unit

After connecting and installing the unit the RFR-WID are ready for use.

Program the Controller connected to the unit with the Codes for the Remote Keyring Transmitters provided or Read the Codes from the Unit one by one by pressing the Transmitter within a reasonable proximity of the Unit.

The unit would report the Codes in Weigand format to the controller that should grant or deny access depending on the access criteria programmed in the controller.

## 4. Contact Information.

Developed and Manufactured by:

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