

## UltraPass W26 Remote Control Receiver/Wiegand Converter

### Function

The UltraPass W26 radio frequency receiver converts the lowest 24 bits of the 26-bit keyword contained in the RF telegram into standard 26-bit Wiegand format for connection to an access controller/door controller. This enables remote control transmitters to be used in the same way as other access control credentials so that it is possible to void/validate transmitter codes as well as track the activities of their users. The UltraPass W26 is compatible with all RT21 key fobs.

When a transmitter code is detected, the Wiegand value of the code is sent to the controller. If the transmitter is activated permanently or is activated a second time within 2 seconds, the code is only transmitted to the controller once. However, if a second transmitter code is detected within 2 seconds, then the Wiegand value of the new code is sent to the controller immediately.

### Mounting the Unit

Mount the unit in a location where it is sheltered from weather conditions and is convenient both for receiving transmitter signals and for connecting to the access controller.

### Wiring connections

Connect the cable to the reader interface at the controller according to the table below and power up the controller. The UltraPass W26 is now ready for testing.

Core Colour	Function
Red	+V
Black	0V
White	Data 1
Green	Data 0
Blue	Hold

### Specification

<b>Size:</b>	110mm long x 56mm Wide x 36.5mm Deep
<b>Colour:</b>	Black
<b>Material:</b>	ABS Plastic
<b>Operating range:</b>	Up to 100m (under favourable open-field conditions)
<b>Operating Temperature:</b>	-20 °C to + 60 °C
<b>Rating:</b>	IP 54
<b>Supply voltage:</b>	12 to 24 V DC (+/- 20%)
<b>Current consumption:</b>	Approx. 11 mA (at 24 V DC)
<b>Frequency:</b>	868.3 MHz
<b>Modulation:</b>	ASK
<b>Data Outputs:</b>	26-bit Wiegand
<b>Cable length supplied:</b>	500mm
<b>Cores:</b>	8 core screened
<b>Cable lead gauge:</b>	7/0.2, 0.22 mm <sup>2</sup> stranded