



# Multi-disciplinary junction box **READER**

- **Versatile:** reads a wide range of tags
- **Convenient:** fits over wall switch
- **Reliable:** backed by three year warranty

Simple and effective **RFID** tag reader



## **WHO SHOULD USE THE MULTI-DISCIPLINARY JUNCTION BOX READER?**

Well suited to new and retrofit sites where wall switch boxes can be used to simplify installation.

The reader is also suited to sites where migration from 125KHz tags to 13.56MHz tags is envisaged, or a combination of the tag types is required.

### **OTHER FEATURES:**

- Hard-wearing, backlit keypad
- Full wiegand port connection
- Optical anti-tamper
- Sleek low-profile design

The modern design, coupled with black high-intensity durable plastic, makes this an ideal device for any internal installation.

### **Easy installation**

The multi-disciplinary junction box reader is the ideal device for new and retrofit installations, as the footprint is the same as most standard wall light sockets. This means a neat and clean installation, without the hassle of trunking additional wiring.

The installation process has been further streamlined through the use of terminal blocks, enabling the device to be quickly and easily wired.

The multi-disciplinary junction box reader reads a wide range of both 125KHz and 13.56MHz tags. This is very useful on sites where the transition from 125KHz tags to the more advanced 13.56MHz tags, is planned.

The readers are available as keypad or non-keypad versions.

The keypad reader provides for enhanced security with the option of both a pin and tag entry.

The installation distance has also been enhanced as the reader can be installed up to 150 meters from a cluster module.

In addition, the keypad is backlit for enhanced visibility, and the keys have tactile feedback.

### **Security features**

Another important feature of the junction box reader is the inclusion of a tamper switch. As soon as power and comms have been connected, the tamper switch becomes active and any attempt to remove the device will result in an alert being sent.

For high security needs, the reader can be connected to an ITRT or Wiegand cluster controller, to enable full 128-bit data encryption.

### **User interface**

All readers include a tri-coloured LED which visually depicts whether access is granted or not, along with an audible electric buzzer. The LED can also be used for basic diagnostics.

# Specifications

## MULTI-DISCIPLINARY JUNCTION BOX READER

Model name		MJR	MJK
Part number(s)	HRN900		HRK901
Product description	Multi-discipline junction box reader		Multi-discipline junction box keypad reader
Colour	Black		
Dimensions (d-w-h)	12cm x 7.2cm x 1.9cm [4.7" x 2.8" x 0.7"]		
Approximate product weight	103 g [3.6 oz]		
Material	ABS plastic		
Electrical specifications			
Input voltage	8 - 14 VDC, polarity sensitive		
Power requirements at 12 VDC	100 mA current, 1.2 W power		
Power input protection	Reverse polarity and over-current protection		
Connection type	??		
User interface			
Buzzer	Single tone		
LED	Tri-coloured status LED		
Tamper	Optical tamper protection		
Tag compatibility	Mifare   iClass   HID H1021, H10302 and H10304   HiTag Impro 125kHz and 13.56MHz slim tag, omega tag, quad transmitter.		
Keypad	N/A	12 digit backlit keypad for PIN	
Environmental specifications			
Operating temperature	-25° to +60° C [-13° to +140° F]		
Storage temperature	-40° to +80° C [-40° to +176° F]		
Operating humidity	0 to 95% relative humidity non-condensing (at +40° C / +104° F)		
Environmental rating	IP54	IP20	
Certifications			
CE (EU)	Pending		Pending
UL	On request		On request
SABS (RSA)	✓		✓
RoHS	✓		✓



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