



# Multi-disciplinary junction box **READER**

- **Versatile:** ability to read a wide range of credentials
- **Reliable:** backed by our global warranty
- **Convenient:** simple installation with junction box footprint

Simple and effective **RFID** credential 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 credential types is required.

## OTHER FEATURES:

- Robust and hardwearing keypad
- Full Wiegand port connection
- Optical anti-tamper
- Sleek low-profile design
- Backlit keypad

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 both 125KHz and 13.56MHz credentials. This is very useful on sites where the transition from 125KHz to the more advanced 13.56MHz is planned.

The readers are available as keypad or non-keypad versions, being MJK or MJR respectively.

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

The installation distance has also been enhanced as the reader can be installed up to 150 meters from a reader 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 enhanced security, the reader can be connected to a 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
<b>Part number(s)</b>	HRN900	HRK901
<b>Product description</b>	Multi-discipline junction box reader	Multi-discipline junction box keypad reader
<b>Colour</b>	Black	
<b>Dimensions (d-w-h)</b>	12cm x 7.2cm x 1.9cm [4.7" x 2.8" x 0.7"]	
<b>Approximate product weight</b>	103 g [3.6 oz]	
<b>Material</b>	ABS plastic	
Electrical specifications		
<b>Input voltage</b>	8 - 14 VDC, polarity sensitive	
<b>Power requirements at 12 VDC</b>	100 mA current, 1.2 W power	
<b>Power input protection</b>	Reverse polarity and over-current protection	
<b>Connection type</b>	Wiegand	
User interface		
<b>Buzzer</b>	Single tone	
<b>LED</b>	Tri-coloured status LED	
<b>Tamper</b>	Optical tamper protection	
<b>Credential compatibility</b>	Mifare   iClass   HID H1021, H10302 and H10304   HiTag Impro 125kHz and 13.56MHz slim tag, omega tag, quad transmitter.	
<b>Keypad</b>	N/A	12 digit backlit keypad
Environmental specifications		
<b>Operating temperature</b>	-25° to +60° C [-13° to +140° F]	
<b>Storage temperature</b>	-40° to +80° C [-40° to +176° F]	
<b>Operating humidity</b>	0 to 95% relative humidity non-condensing (at +40° C / +104° F)	
<b>Environmental rating</b>	IP20	IP20
Certifications		
<b>CE (EU)</b>	✓	
<b>UL RoHS</b>	✓	
<b>SABS (RSA)</b>	✓	



**Impro Technologies**  
has over 30 years experience  
in the access control industry

HQ tel: +27 (31) 717 0700  
Email: [info@impro.net](mailto:info@impro.net)  
Web: [www.impro.net](http://www.impro.net)