Multi-discipline
READER

- **Versatile:** variants for indoor and outdoor use

- **Footprint:** mullion footprint, ideal for new or retrofit sites

- **Tag variety:** compatible with 125kHz and 13.56MHz tags

- **Interoperability:** integrated with variety of Impro solutions

Compact and robust RFID reader

WHO SHOULD USE THE MULTI-DISCIPLINE READER RANGE?

The range is ideal for most applications, whether new installations or retrofit.

PRODUCT BENEFITS:

- Compact footprint

- Sleek aesthetics

- Mark-resistant brushed stainless steel

- Tamper protection

- Communication distance of 150m (164yd)

- Compatible with third party systems

- Indoor and outdoor variants

The multi-discipline reader range offers both keypad and non-keypad options, with the ability to read both 125kHz and 13.56MHz credentials. This allows you to upgrade your equipment without having to replace existing tags.

The sleek design and compact footprint makes it ideal for a variety of applications, and the reader range includes both indoor and outdoor options.

Further, the readers incorporate mark-resistant brushed stainless steel, which has the added benefit ensuring a long product life.

All of the readers provide peace of mind security through an AES128-bit encryption (similar to the banking sector) between the reader and controller/module.

The readers come standard with a tri-coloured LED and buzzer, which can be controlled to suit the specific needs of your application.

The readers are available in either terminal block or pigtail variants. The terminal block provides for quick and easy installation, whilst the pigtail variants have enhanced robustness with an IP65 rating against ingress of dust and water.

All readers are compatible with all Impro solutions, as well as third-party Wiegand based systems.

Specifications
MULTI-DISCIPLINE READER

Model name	MDR+	MDK+	MDR	MDK
Part number(s)	HRW902	HRW903	HRW900	HRW901
Product description	Multi-discipline reader for outdoor use	Multi-discipline keypad reader for outdoor use	Multi-discipline reader	Multi-discipline keypad reader
Colour	Black with steel faceplate			
Dimensions (d-w-h)	9.7cm x 4.5cm x 2.1cm 3.8" x 1.8" x 0.8"			
Approximate product weight	208 g (7.33 oz)	204 g (7.19 oz)	75 g (2.64 oz)	77 g (2.71 oz)
Material	Black ABS plastic with brushed stainless steel faceplate			
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	1.5m Pigtail	1.5m Pigtail	Terminal block	Terminal block
User interfaces				
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 keypad for PIN	N/A	12 digit 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	IP65	IP65	IP54	IP54
Certifications				
CE (EU)	✓	✓	✓	✓
UL	On request	On request	On request	On request
SABS (RSA)	✓	✓	✓	✓
RoHS	✓	✓	✓	✓