



Scan the QR code or link to the address below to find a list of datasheets to all products and other support information.  
<https://www.tm-readers.com/downloads.htm>



### Overview

Designed to fit directly to a UK or EU electrical back box, this powerfully secure reader supports a wide variety of output formats, allowing it to be used in most access control systems.

The combination of an integral speaker, RGB LED and audible buzzer provides a flexible platform to give the right user interface configuration for your project.



### Mechanical

Dimensions	87 x 87 x 21 mm (3.4 x 3.4 x 0.8 inches)
Housing	Moulded polycarbonate
Mounting	Suitable plain surface
Fixing	4mm., max' diameter + UK / EU electrical back box



### Environmental

Operating temp'	-35°C to +66°C
Humidity	85±5% at 30±2°C (86±3°F)
Ingress	IP67
Impact	IK10
Flammability	UL94V-0



### Electrical

Voltage	see table below
Current	see table below
Data Voltage	Rest >4Vdc / Active <1Vdc
Data output	see table below
Indication	1 RGB LED
Sounder	Integral speaker
Termination	screw terminal connection block

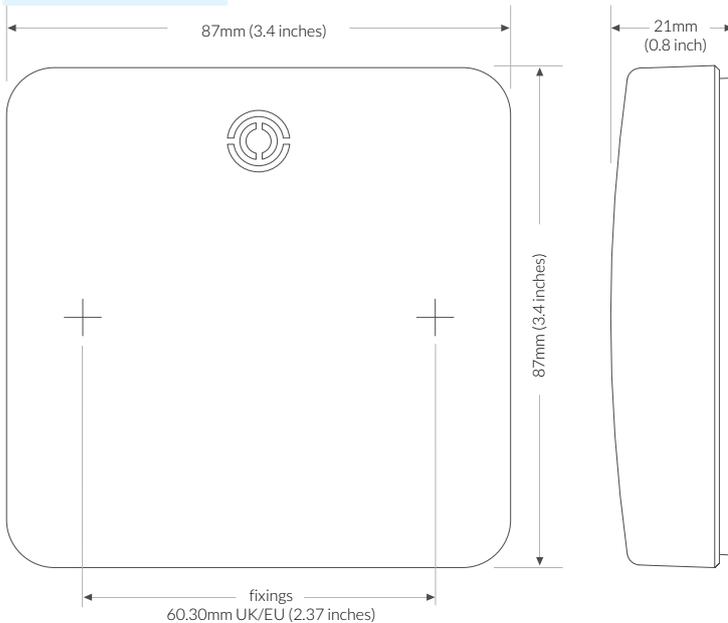


Reader Models are sold as customer-specific configurations.

Please call +44 (0) 1495 751 992 to discuss your custom configuration or LEGIC® reader requirements.

READER MODEL	Frequency	Current mA	Voltage Vdc	Technology	Optical tamper	Wiegand Clock & Data	Bluetooth®	OSDP	FCC	UL294
<b>RX100</b>	125 kHz	115	5 - 12	125kHz EM variants		•				
<b>RX180PLUS</b>	13.56 MHz 125 kHz	200	5 - 12	MIFARE® Sector + 125kHz		•				
<b>RX190</b>	13.56 MHz 125 kHz 2.4 GHz ○	75	10 - 16	MIFARE®DESFire® LEGIC® + ECP 2.0 + 125kHz	•	•	○	○	•	•

○ - optional



The **RX190** boasts multiple technologies embedded in its hardware and firmware, including an Apple Certified ECP 2.0 integration for Apple Access passes.

Also included is a 13.56MHz MIFARE®DESFire® platform, having state-of-the-art security and privacy along with the full complement of LEGIC® 13.56MHz contactless smart technology, with its tightly integrated LEGIC RF Standard. In addition, the reader can also be used for 125kHz access control systems, including other widely used 125kHz technologies such as:

- KANTECH
- FARPOINTE
- AWID
- CASI
- EM variants

### Key features

- Multi-technology
- UK design and manufacture
- Black high gloss finish
- Slim profile
- RGB LED
- Fully encapsulated electronics
- Optical tamper switch (see table above)
- Wide range of output formats
- Read range up to 10cm (4 inches)
- 5 year limited warranty
- Wall spacer (optional extra)
- Back box (optional extra)



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 NOTE: certifications not available to all reader models.

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