



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**

With a similar footprint to the RX1, the RX1K is designed to fit directly to a UK or EU electrical back box. It also features an RGB illuminated keypad, offering the additional security of PIN entry. 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.

Reader Models are sold as customer-specific configurations.

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



**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



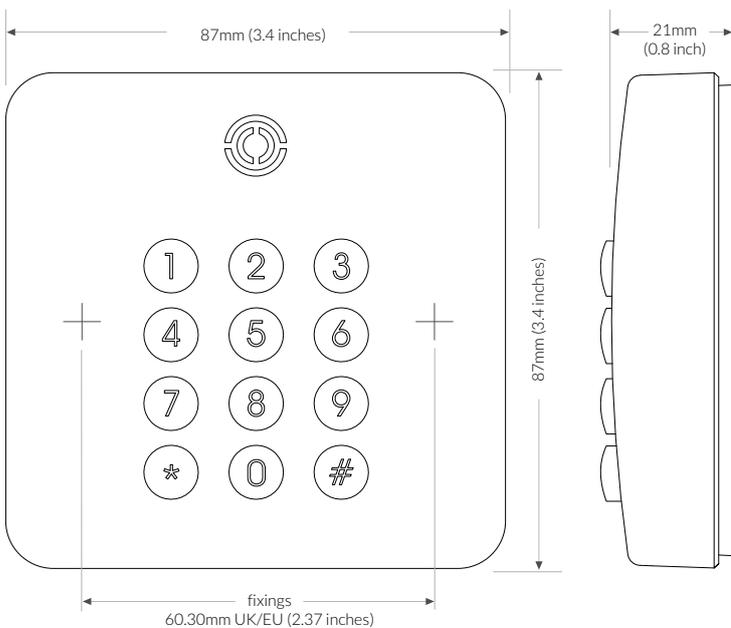
**Electrical**

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



READER MODEL	Frequency	Current mA	Voltage Vdc	Technology	Keypad output	Optical tamper	Wiegand Clock & Data	Bluetooth®	OSDP	FCC	UL294
<b>RX1K00</b>	125 kHz	115	5 - 12	125kHz EM variants	4 bit		•				
<b>RX1K80PLUS</b>	13.56 MHz 125 kHz	200	5 - 12	MIFARE® Sector + 125kHz	4 bit		•			•	•
<b>RX1K90</b>	13.56 MHz 125 kHz 2.4 GHz ○	100	10 - 16	MIFARE®DESFire® LEGIC® + ECP 2.0 + 125kHz	4 bit	•	•	○	○	•	•

○ - optional



The **RX1K90** 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
- RGB LED illuminated keypad
- Fully encapsulated electronics
- PIN authentication
- Optical tamper switch (see table above)
- Wide range of output formats
- Read range up to 10cm (4 inches)
- 1 year limited warranty
- Wall spacer (optional extra)
- Back box (optional extra)



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