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<https://www.tm-readers.com/downloads.htm>



Overview

The RX3K advanced access control reader is an elegantly designed unit, featuring an RGB illuminated keypad, offering the additional security of PIN entry. The unit fits directly to a UK, EU or US electrical back box, and 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	120 x 876 x 21 mm (4.7 x 3.0 x 0.8 inches)
Housing	Moulded polycarbonate
Mounting	Suitable plain surface
Fixing	4mm., max' diameter + UK/EU/US 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

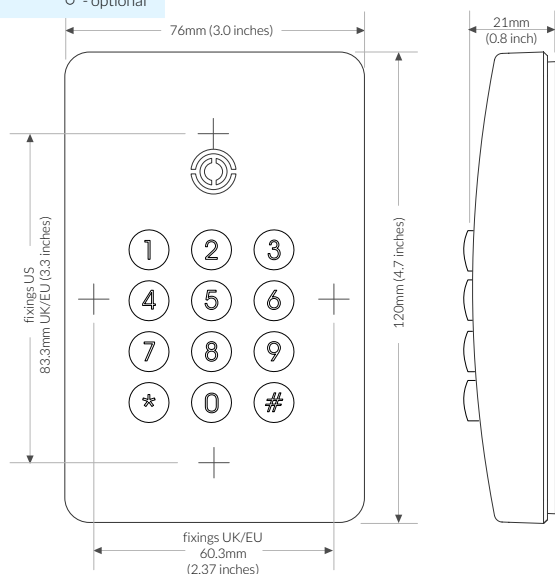
Voltage	see table below
Current	see table below
Data Voltage	Rest >4Vdc / Active <1Vdc
Data output	see table below
Indication	1 RGB LED + RGB LED illuminated keypad
Sounder	Integral speaker
Termination	screw terminal connection block

Reader 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
RX3K00	125 kHz	115	5 - 12	125kHz EM variants		•				
RX3K80PLUS	13.56 MHz 125 kHz	200	5 - 12	MIFARE® Sector + 125kHz		•				
RX3K60	13.56 MHz 125 kHz 2.4 GHz ○	75	10 - 16	LEGIC® + ECP 2.0 + 125kHz	•	•	○	○	•	•
RX3K90	13.56 MHz 125 kHz 2.4 GHz ○	75	10 - 16	MIFARE®DESFire® + ECP 2.0 + 125kHz	•	•	○	○	•	•

○ - optional



The RX3Kboasts multiple technologies embedded in its hardware and firmware, including an Apple Certified ECP 2.0 integration for Apple Access passes (in select variants).

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



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NOTE: certifications not available to all reader models.

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Third Millennium Systems Ltd.
18 / 19 Torfaen Business Centre
Panteg Way New Inn PONTYPOOL NP4 0LS United Kingdom

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tel: +44 (0) 1495 751 992 web: www.tm-readers.com contact: info@tm-readers.com