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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.

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 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

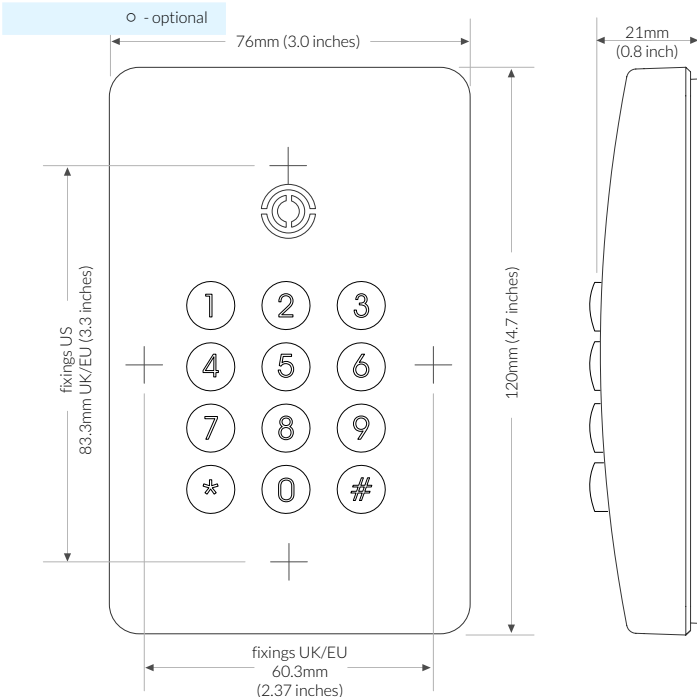


Electrical

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 MODEL	Frequency	Current mA	Voltage Vdc	Technology	Keypad output	Optical tamper	Wiegand Clock & Data	Bluetooth®	OSDP	FCC	UL294
RX3K00	125 kHz	115	5 - 12	125kHz EM variants	4 bit		•				
RX3K80PLUS	13.56 MHz 125 kHz	200	5 - 12	MIFARE® Sector + 125kHz	4 bit		•			•	•
RX3K90	13.56 MHz 125 kHz 2.4 GHz ○	100	10 - 16	MIFARE®DESFire® LEGIC® + ECP 2.0 + 125kHz	4 bit	•	•	○	○	•	•



The RX3K90 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



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NOTE: certifications not available to all reader models.

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