third millennium
advanced access control readers

RX5M

Overview

The RX5M is a Third Millennium styled flush mounted Ligature Resistant reader. The unit is a multi-technology reader suitable to interface with all standard access control systems, and offers impact resistant construction with a high degree of protection against vandalism and malicious attack.

The stainless steel, flush fit assembled housing may be secured to a recessed standard UK Double Gang back box using 2 security screws (supplied) making installation quick and easy.

The primary function of the reader is to prevent anyone from harming themselves, or others, and ensuring that a ligature cannot be attached to the reader. However, the RX5M is also suitable for areas where standard readers might become damaged, such as unsupervised public places, corridors and detention facilities.

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	150 x 90 x 25 mm (5.9 x 3.5 x 1.0 inches)
Housing	Moulded polycarbonate / stainless steel
Mounting	Flush mounting over double gang UK back box
Fixing	M3.5 x 20mm Security Screws (supplied)

Environmental

Operating temp'	-35°C to +66°C
Humidity	85±5% at 30±2°C (86±3°F)
Ingress	IP67 with EPDM wall gasket for mounting externally
Impact	IK10

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

+66 -35 C

IP67

up to 10cm

5yrs

READER MODEL	Frequency	Current mA	Voltage Vdc	Technology	Wiegand Clock & Data	Bluetooth®	OSDP
RX5M90	13.56 MHz 125 kHz 2.4 GHz ○	75	10 - 16	MIFARE®DESFire® LEGIC® + ECP 2.0 + 125kHz	●	○	○

○ - optional

150mm (5.9 inches)

25mm (1.0 inch)

90mm (3.5 inches)

fixings 120.60mm (4.75 inches)

18mm (0.7 inch)

68mm (2.7 inches)

106mm (4.2 inches)

The **RX5M90** boasts multiple technologies embedded in its hardware and firmware, including an Apple Certified ECP 2.0 integration for Apple Access passes.
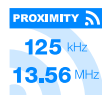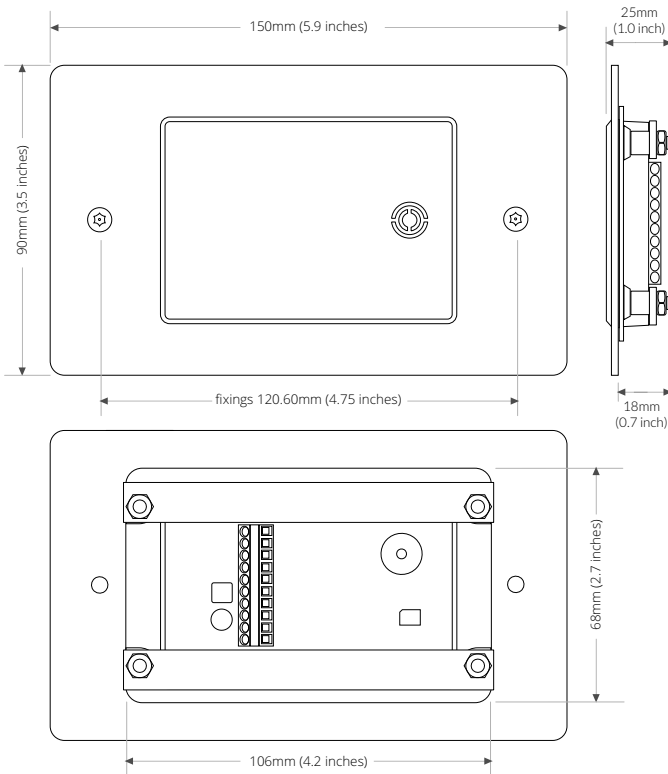
Also included is a 13.56MHz MIFARE®DESFire® platform, having state-of-the-art security and privacy along with the full complement of LEGIC® 13.56MHz contactless smart technology, with its tightly integrated LEGIC RF Standard. In addition, the reader can also be used for 125kHz access control systems, including other widely used 125kHz technologies such as:

- KANTECH
- FARPOINTE
- AWID
- CASI
- EM variants

Key features

- Anti-ligature
- UK design and manufacture
- TM Panel Mount reader
- Impact resistant
- Flush profile
- RGB LED
- Black textured finish / Brushed stainless steel
- Fully encapsulated electronics
- Range of output formats
- 5 year limited warranty
- Horizontal or Vertical mounting

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