

Product features

The RX switch is designed to work seamlessly with the RX series of advanced access control readers, and will separate multiple card technologies into individual data feeds for independent access control systems within a multi-tenanted environment.

Usually RX series readers and RX switches are installed at the building turnstiles. The various tenant card technologies are filtered and then sent to the corresponding tenant access control system.

Please be aware the tenant is responsible for managing who may enter the building on their behalf.

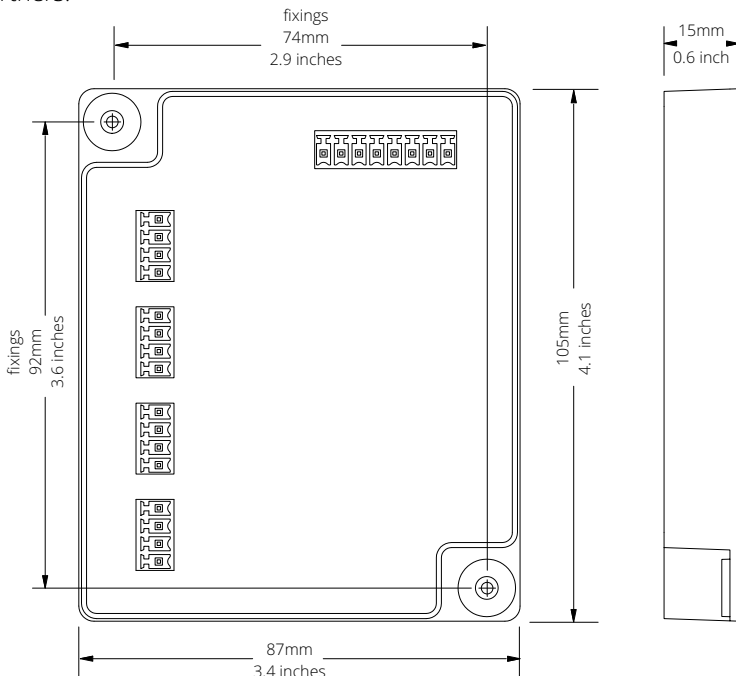
The unit is moulded using tough polycarbonate plastic with fully encapsulated electronics, and is designed for concealed secure location using two point screw fixings if required.

Interfacing

This reader supports a wide variety of output formats allowing it to be used in most access control environments, providing a flexible platform to give the right user interface configuration for your project. If more than 4 outputs are required then up to four RX switches may be stacked to provide a maximum system capacity of 16 tenant systems.

Quality design

Third Millennium has more than 20 years of award-winning experience in the design and manufacture of RFID technology, and the delivery of world class, state-of-the-art access control projects to our many global partners.



RX switch



Key Features

- UK design and manufacture
- Matt finish
- Slim profile
- Fully encapsulated electronics
- Wide range of output formats
- 5 year limited warranty
- Pluggable terminal block connections

Technologies supported



MIFARE Classic®
MIFARE®DESFire®
CSN or Sector data

Registered Partner



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Our 125kHz Proximity readers are capable of supporting:



- EM variants
- HID® Proximity Compatible
- KANTECH Compatible
- FARPOINTE Compatible
- AWID Compatible
- CASI Compatible

... and other widely used 125kHz Proximity technologies.

CUSTOMER CONFIGURATION

All our readers are fully configurable to your specification and requirements.



reader credential solutions

technology access control readers credentials

Depending on the level of reader design you choose, a variety of control outputs can be applied, including multiple card formats, LED colours and external control options.

Specifications



Mechanical

Dimensions: 105 x 87 x 16 mm (4.1 x 3.4 x 0.6 inches)
 Housing: Moulded polycarbonate
 Mounting: Suitable plain surface (secure area)
 Fixing holes: 4mm., maximum diameter

Environmental

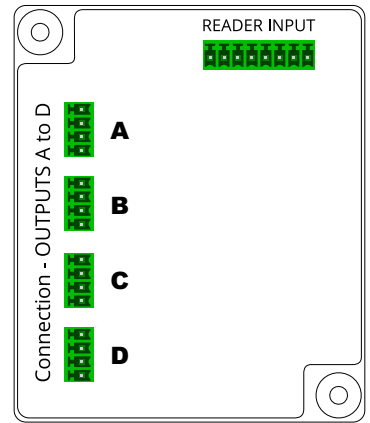
Operating Temperature: -35°C to +66°C
 Humidity: 85±5% at 30±2°C (86±3°F)
 Ingress protection: IP65

Electrical

Voltage: +5Vdc to +16Vdc
 Current: 25mA typical
 Data Voltage: Rest >4Vdc / Active <1Vdc
 Data Output: Wiegand output
 Indication: NONE (reader & control panel)
 Sounder: NONE

Certifications

| RoHS | WEEE |



Connection - OUTPUTS A to D

A	1 - 0V	Supply voltage to ground
	2 - DATA0 OUT	Wiegand output
	3 - DATA1 OUT	Wiegand output
	4 - GREEN IN	Green LED control input
B	1 - 0V	Supply voltage to ground
	2 - DATA0 OUT	Wiegand output
	3 - DATA1 OUT	Wiegand output
	4 - GREEN IN	Green LED control input
C	1 - 0V	Supply voltage to ground
	2 - DATA0 OUT	Wiegand output
	3 - DATA1 OUT	Wiegand output
	4 - GREEN IN	Green LED control input
D	1 - 0V	Supply voltage to ground
	2 - DATA0 OUT	Wiegand output
	3 - DATA1 OUT	Wiegand output
	4 - GREEN IN	Green LED control input

Connection - READER INPUT

	1 - 0V	Supply voltage ground
	2 - +Vdc	Supply voltage (+5Vdc to +16Vdc)
	3 - DATA0 IN	Wiegand input
	4 - DATA1 IN	Wiegand input
	5 - GREEN OUT	Green LED control output
	6 - TXD	RS232 transmit line
	7 - RXD	RS232 receive line
	8 - +5Vdc OUT	100mA max

PLUGGABLE TERMINAL BLOCK
 CONNECTIONS



The RX SERIES of access control readers



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