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

The RXswitch is not an RFID reader, but an electronic unit designed to work seamlessly with the RXseries® of advanced access control readers. The switch unit will separate multiple card technologies into individual data feeds for independent access control systems within a multi-tenanted environment.

Usually RXseries® 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.

Reader Models are sold as customer-specific configurations.

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

MODEL	Current mA	Voltage Vdc	Wiegand
RXswitch	25 (typical)	5 - 16	•

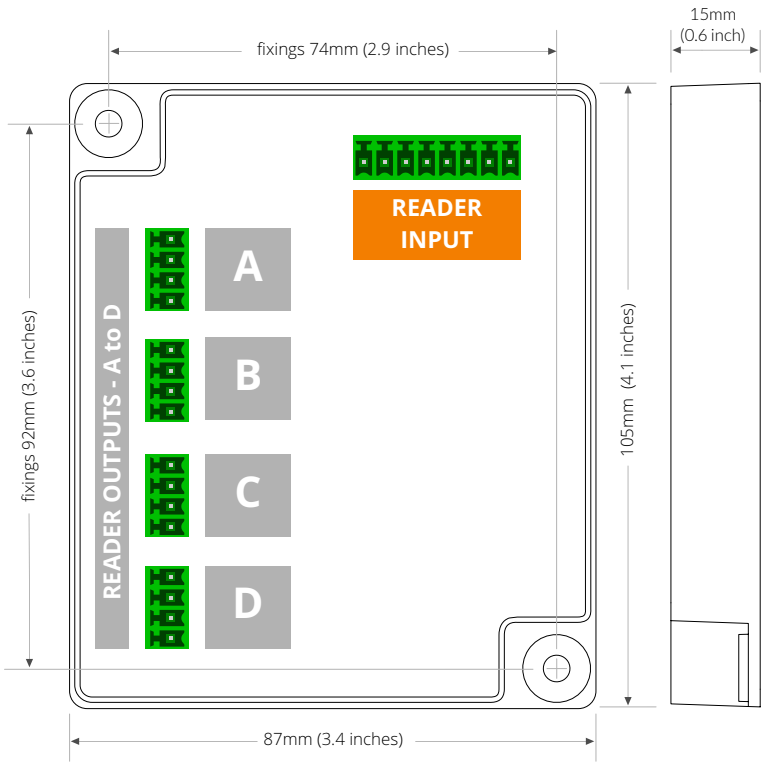
Mechanical	
Dimensions	105 x87 x 16 mm (4.1 x 3.4 x 0.6 inches)
Housing	Moulded polycarbonate / stainless steel
Mounting	Suitable plain surface
Fixing	4mm., max' diameter

Environmental	
Operating temp'	-35°C to +66°C
Humidity	85±5% at 30±2°C (86±3°F)
Ingress	IP67

Electrical	
Voltage	see table below
Current	see table below
Data Voltage	Rest >4Vdc / Active <1Vdc
Data output	see table below
Indication	NONE (reader / control panel)
Sounder	NONE
Termination	Pluggable screw terminal blocks (supplied)

Key features

- UK design and manufacture
- Black gloss finish
- Slim profile
- Fully encapsulated electronics
- Range of input/output formats
- 5 year limited warranty
- Pluggable terminal block connections



READER INPUT

1	-	0V	Supply voltage to 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

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

Registered Partner

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Stacking

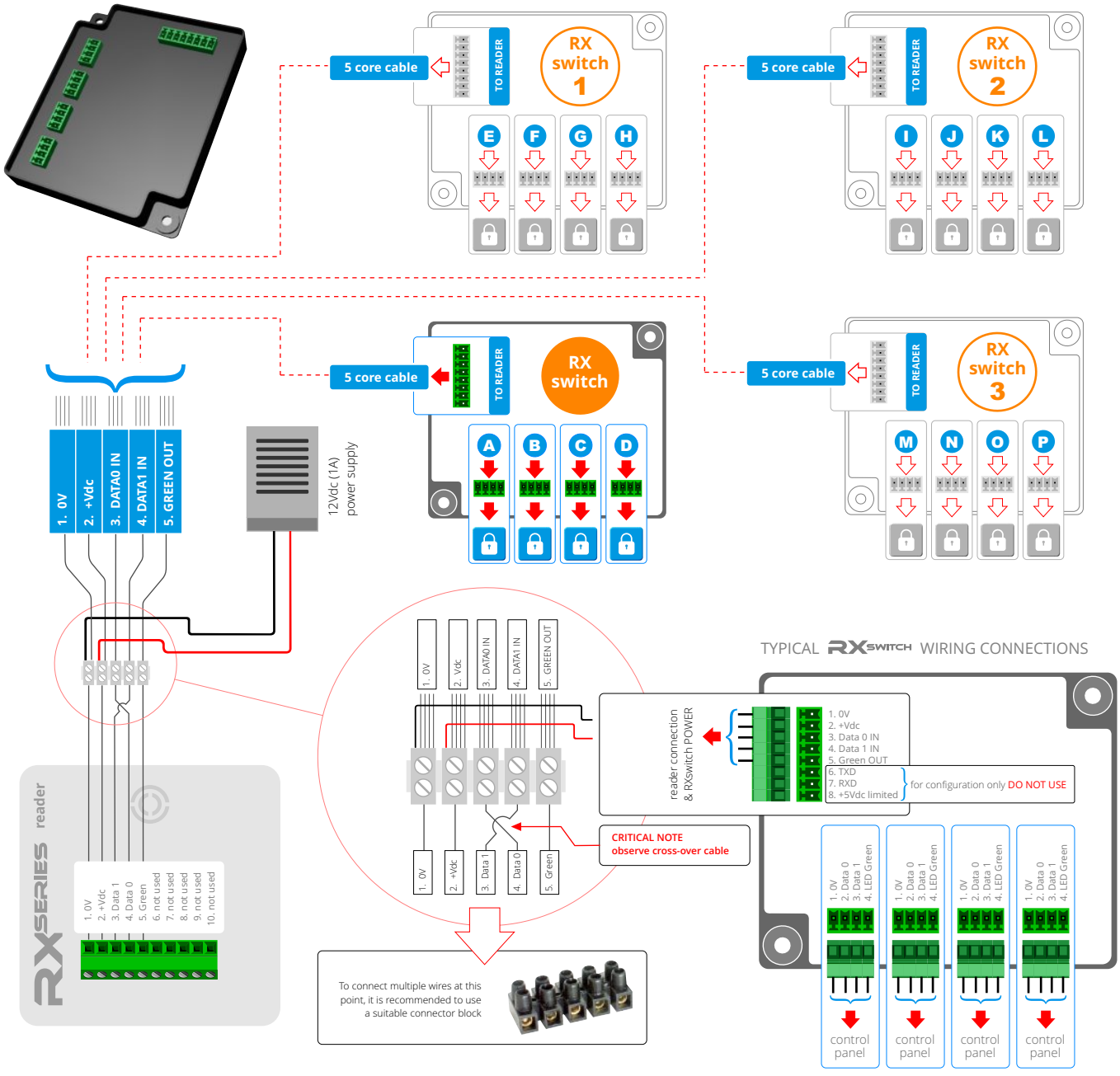
The RXswitch may be 'stacked' to offer up to 4 multiples of 4 tenants (or zones) within a building.

The diagram below shows a typical wiring setup and arrangement to accommodate up to 16 tenants (or zones) within a multi-storey or departmental complex.

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

KEY

- RX switch • **RXswitch** terminal - up to 4 stackable
- A • Connection to control panels - sequentially ordered
- • 4 wire terminal connection to each access control panel
- • individual access control panels
- 5 core cable • Recommended cable: BELDEN 9535 (5 core + drain wire)



TYPICAL RXSWITCH WIRING CONNECTIONS

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