third millennium
advanced access control readers

INSTALLATION GUIDE
RXQR / RXQRK

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

These notes provide a general guidance for connecting and mounting the RXseries® of reader model(s) shown to the right.

Readers should only be installed by a qualified installer.

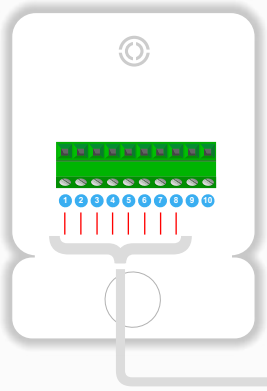
Mounting readers on (or near) metal may impair the read range of the unit.

The RXQR and RXQRK readers have been designed to match the family of RX Series ® card readers, and will blend seamlessly with existing installations of Third Millennium advanced access control readers.

Each unit operates as a dual function assembly combining a secure multi-technology RFID reader, together with a QR scanner offering convenience-oriented applications and access.

Designed to fit directly to a plain wall surface, or a standard flush mount single gang UK or EU electrical back box, the RXQR series are quick and easy to install.

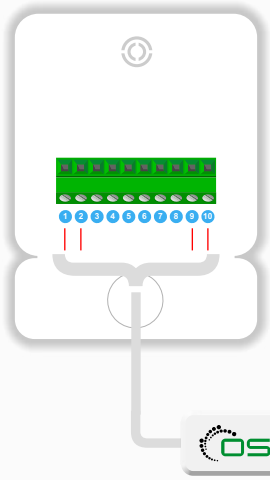
CONNECTIONS / PIN OUT — WIEGAND readers



1	0V	- supply voltage ground
2	+Vdc	- supply voltage (+10Vdc to +16Vdc)
3	DATA1/CLK	- Wiegand or Clock & Data output
4	DATA0/DAT	- Wiegand or Clock & Data output
5	GREEN	- Green LED control input
6	RED	- Red LED control input
7	BUZZER	- Buzzer control input
8	TMPR/CP	- Tamper or Card Present output
9	not used	-
10	not used	-

BELDEN 6306 FE
cable (or equivalent)
is recommended for use with
WIEGAND readers

CONNECTIONS / PIN OUT — OSDP® readers



1	0V	supply voltage ground
2	+Vdc	supply voltage (+10Vdc to +16Vdc)
3	not used	-
4	not used	-
5	not used	-
6	not used	-
7	not used	-
8	not used	-
9	RS485 -	RS-485 Bus
10	RS485+	RS-485 Bus

BELDEN 6381 MD
cable (or equivalent)
is recommended for use with
OSDP readers

OSDP® reader DEFAULT SETTINGS

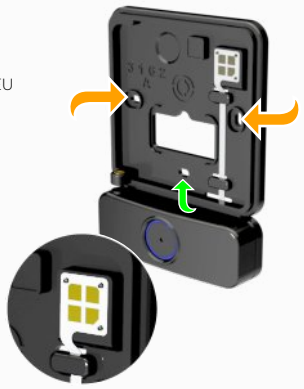
baud rate	address
9600	0

It is recommended that a 120 Ω resistor should be fitted between the data lines at each end of the RX485 Bus

INSTALLATION

1

- Fix reader backplate to a flat surface (or UK / EU single gang back box) using 2 no., fixings with a diameter no greater than 4mm (0.15 inch).
- Shown by a green arrow, an additional fixing point is optional if a back box is not used.
- Do not overtighten screws.
- Take care not to damage or obstruct the QR scanner RX/TX ribbon cable.



2

- Feed communication cable through backplate aperture and make terminal connections as shown to the left.
- Take care not to damage, bend or obstruct the contact pogo pins.

3

- To secure the reader module, ensure the top edge fixing lugs engage correctly with the recesses located at the top of the backplate.
- When the top edge of the reader is engaged, swing the bottom edge down and forward until you feel the unit click shut.
- Ensure the communication cable is positioned such not to interfere or obstruct the QR scanner RX/TX ribbon cable, or the contact pogo pins.

4

- Secure the reader module to the backplate using the M3x40mm screw, as supplied.
- Run activation / performance test.

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