third millennium
advanced access control readers

RX5-WE

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

i

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 RX5-WE is a Third Millennium styled flush Panel Mount reader. The unit is a multi-technology reader suitable to interface with all standard access control systems, and may be used in speed gates and turnstiles, or other third-party enclosures.
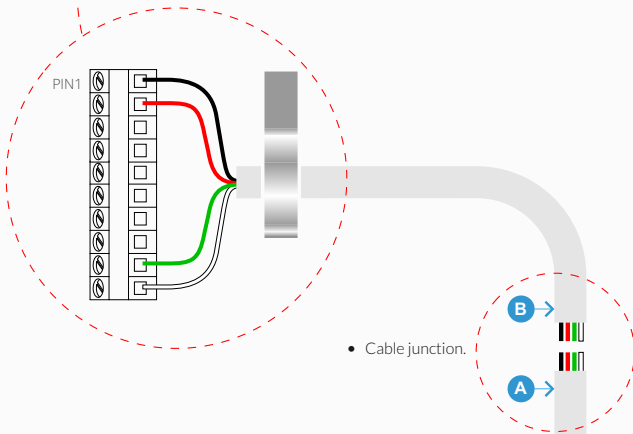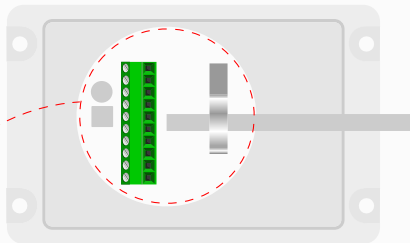

CONNECTIONS / PIN OUT — OSDP® readers

RX5-WE reverse face

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 (GREEN)
⑩	RS485 +	RS-485 Bus (WHITE)

PIN1

- Cable junction.

B →

A →

OSDP™

DOOR ACCESS control system

OSDP™

OSDP™ Secure

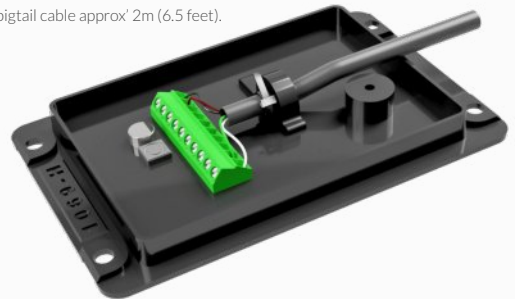## OSDP® reader DEFAULT SETTINGS

i

baud rate

9600

address

0

INSTALLATION

1

- The RX5-WE reader module is designed as an OEM unit to be positioned and installed as recommended by the customer or installer.

- This unit is configured to include a cable strain-relief bridge, allowing a communications cable to be inserted and secured using a simple cable-tie restraint, which in turn allows the unit to emulate a 'pigtail' installation.

- Length of pigtail cable approx' 2m (6.5 feet).

2

- Make cable connection **A** from your OSDP™ access control panel to site location of reader module.

- Locate and fix reader module to position as required, and in accordance with customer's / installer's recommendation.

- Run pigtail cable **B** and cut to length required to make cable connection from OSDP™ access control panel.

- Connect and make safe cable ends in accordance with current electrical recommendations and best practice.

3

- It is recommended that a 120 Ω resistor should be fitted between the data lines at each end of the RS-485 Bus.

- NOTE: Colour of wires are for representation only, and may differ from the cable you use.

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

RXSERIES®

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