third millennium
advanced access control readers

RXseries® of Wiegand and OSDP® readers
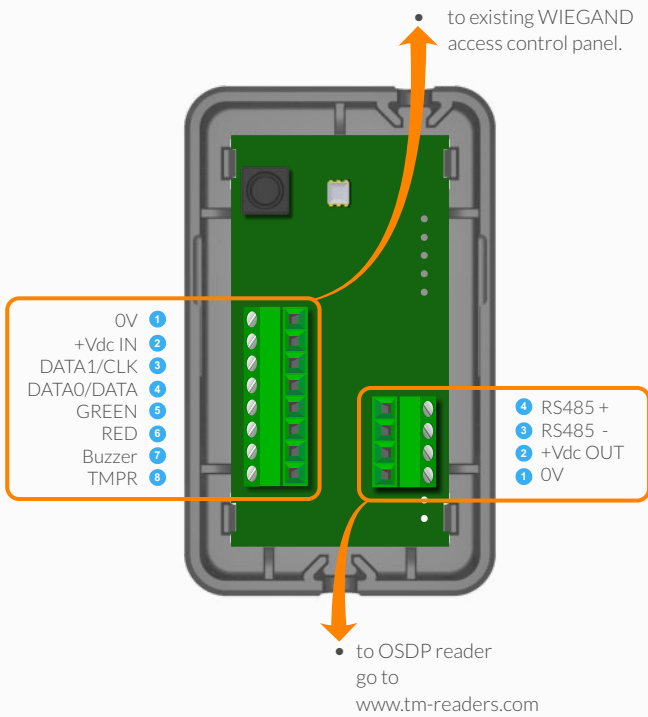
Scan the QR code or link to the address below to find a list of datasheets to all products and other support information.

https://www.tm-readers.com/downloads.htm

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

OC1

Secure OSDP communication is between a Third Millennium OSDP reader and the OC1 unit, using existing cabling; eliminating the security vulnerability of the traditional Wiegand interface.

CONNECTIONS / PIN OUT

- to existing WIEGAND access control panel.

0V	1
+Vdc IN	2
DATA1/CLK	3
DATA0/DATA	4
GREEN	5
RED	6
Buzzer	7
TMPR	8

4	RS485 +
3	RS485 -
2	+Vdc OUT
1	0V

- to OSDP reader go to www.tm-readers.com

WIEGAND

DOOR ACCESS control system

- When installing, ensure the OC1 (OSDP converter) is positioned in a **SECURE AREA** adjacent to the access control panel.

OC1

OSDP™ Secure

RX SERIES®
card readers for network door controllers

INSTALLATION
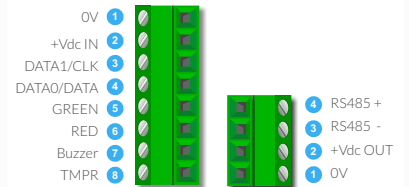
1
- Slide the front cover vertically, as shown.

- Once disengaged, pull the front cover away from the base.

- Safely set aside the front cover for reuse.

2
- Make wire connections to the terminal blocks in accordance with the diagram and pin-outs shown here.

0V	1
+Vdc IN	2
DATA1/CLK	3
DATA0/DATA	4
GREEN	5
RED	6
Buzzer	7
TMPR	8

4	RS485 +
3	RS485 -
2	+Vdc OUT
1	0V

3
- Once wire connections have been made, retrieve and secure front cover to the base unit.

- Secure the unit (customer discretion).

4
- NOTE: If using more than one OC1 converter, you may wish to fix cable markers (or similar) to each unit to identify the reader to which it is linked.

OSDP reader #1