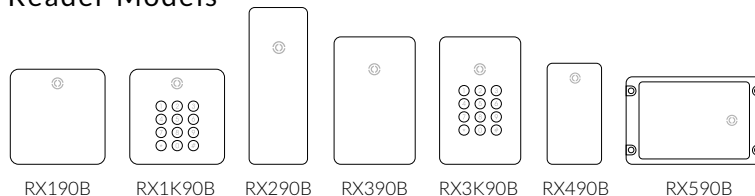




Scan the QR code or visit the address below to find a list of datasheets to all products and other support information.

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

Reader Models



The RX series® of readers provide a powerfully secure and innovative design, offering a clean and stylish aesthetic to any installation.

INSTALLATION GUIDE

for
RXseries® of Wiegand and OSDP readers

These notes provide a general guidance for connecting and fixing the RXseries® of readers, and apply to all the styles in this series.


Readers should only be installed by a qualified installer.

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

Fixing and Connection


1

Pull bottom edge of reader module away from the backplate, and lift up.



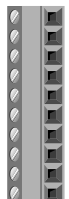
2

Fix the reader backplate to a flat surface using fixings with a diameter no greater than 4mm (0.15 inch).



3


When the backplate has been fixed, make wire connections to the reader module (as shown below) and your control panel.



Ensure you arrange the cable such not to impair or prevent the reader module being properly secured to the backplate.


4

To fix the reader module, ensure the top-edge fixing lugs engage correctly with the recesses located at the top of the backplate.



5


When the top edge of the reader is engaged, swing the bottom edge down and forward until you feel the unit click shut.



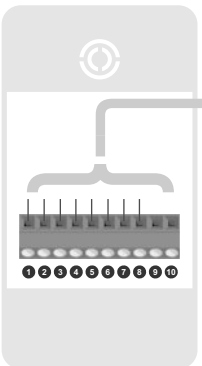
6

Secure the reader module to the backplate using the M3x10mm screw as supplied.


You may opt to use an M3x10mm countersunk security screw (not supplied).



WIEGAND readers

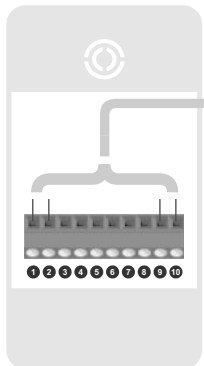


pin-out	
1	0V - supply voltage ground
2	+Vdc - supply voltage (+10Vdc to +16Vdc)
3	DATA1/CLK - Wiegand or Clock & Data output
4	DATA0/DAT - Wiegand or Clock & Data output
5	GREEN - Green LED control input
6	RED - Red LED control input
7	BUZZER - Buzzer control input
8	TMPR/CP - Tamper or Card Present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




OSDP readers

BELDEN 9502 cable (or equivalent min' 24 AWG) is recommended for use with OSDP readers



pin-out	
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



It is recommended that a 120 Ω resistor should be fitted between the data lines at each end of the RS485 Bus.

OSDP reader DEFAULT SETTINGS

i baud rate 9600 / address 0