



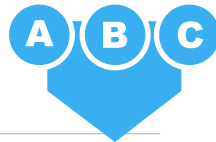
Generally, the RXseries® of standard readers are wired and connected with pin-outs using a simple screw terminal connection, making installation quick and easy. No special tools are required other than a 2.5mm flat-head screwdriver.

To avoid damaging the terminal block, do not use a screwdriver with a larger head.

TERMINAL CONNECTIONS

Depending on the model of reader, the wiring pin-outs will usually follow one of three 'terminal connection' variants.

The DATASHEET* applicable to each access control reader, will show the correct screw terminal connection pin-outs, and will be referenced - (A) or (B) or (C).



* extract from RX1 DATASHEET

MODEL	frequency	current mA	voltage Vdc	terminal connection
RX100	125 kHz	115	5 - 12	A

for reader model RX100 - use pin-outs as shown in 'terminal connection' "A".



Third Millennium has become a multi award-winning manufacturer of advanced access control readers, and specialises in the introduction of new technologies to the access control market.

Supplying many of the world's leading security specialists, our products offer innovative style, coupled with the broadest range of RFID technologies available ...

... all from a SINGLE manufacturer.

With 'Research & Development' as part of our continuing progress to improve and refine our products, this datasheet has been prepared to offer a one-stop document, to show the correct way to wire and connect the varying reader models, and technologies used.

Visit our website for more information, or scan the QR code here.



Pin-out	condition	screw	TERMINAL CONNECTION details
1	+Vdc		Supply voltage (+5Vdc to + 16Vdc)
2	DATA1/CLK		Wiegand or Clock & Data output
3	DATA0/DAT		Wiegand or Clock & Data output
4	GREEN		Green LED control input
5	RED		Red LED control input
6	BUZZER		Buzzer control input
7	TMPR/CP		Tamper or Card Present output
8	0V		Supply voltage ground
9	TTL TX		TTL transmit line
10	TTL RX		TTL receive line

Pin-out	condition	screw	TERMINAL CONNECTION details
1	0		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	RS485 -		RS485 Bus
10	RS485 +		RS485 Bus

Pin-out	condition	plug	TERMINAL CONNECTION details
A	+5V		Power input. Connect only 5V or 12V power
B	BEEP		Active Low
C	DATA HOLD		Holds card data only - Active Low
D	TAMPER		Normally closed to 0V - open on tamper
E	0V		Power
F	0V		Power
G	RED LED		Active Low
H	GREEN LED		Active Low
I	+12V		Power Input. Always use 12V for RXSK60
J	Wiegand Data 1		Open Collector output
K	Wiegand Data 1		Open Collector output
L	TAMPER		Normally open - connects to 0V on tamper