third millennium
advanced access control readers

RX DATASHEET SERIES
TERMINAL CONNECTIONS

RX advanced access control readers

Generally, the RXseries® of standard readers are wired and connected with pin-outs using a simple screw terminal connection block, 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.

Depending on the model of reader, the wiring pin-outs will usually follow one of 3 'terminal connection' variants.

The specification details, under the 'Electrical' heading*, on the DATASHEET to each reader model, will show the correct screw terminal connection pin-outs, as referenced: **A**, **B** or **C**

base model No.	frequency	current mA	voltage Vdc	terminal connection
RX400	125 kHz	115	5 - 12	A

** extract from RX4 DATASHEET*

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Pin out A	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 B	Condition	SCREW TERMINAL CONNECTION DETAILS
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	RS485 -	RS485 Bus
10	RS485 +	RS485 Bus

Pin out C	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.

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