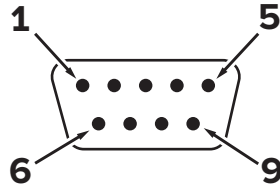


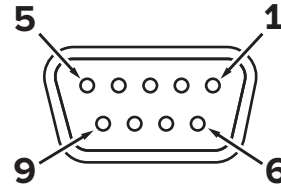
DB9 Controllers Summarized Standard Pinouts

Always identify proper wiring via continuity check & color when using multi-strand cables.

The calibration certificate for the device should be used as the definitive reference for custom wiring options.



Male Connector (Device)



Female Connector (Cable)

DB9 ALL CONTROLLERS								
Pin	DB9/DB9M	DB9A/DB9K	DB9R	DB9T	DB9U	DB9B	DB9G	DB9H
1	Not Used	NC	Tx or A (-)	Tx or A (-)	Rx or B (+)	Analog Out 2	Rx or B (+)	Tx or A (-)
2	Analog Out 2	Analog Out	Analog Out	Analog Out	Analog Out	Analog Out	Analog Out	Analog Out
3	Rx or B (+)	Power In	Analog In	Power In	Power In	Power In	Ground	Analog In
4	Analog In	Ground	Ground	Ground	Ground	Ground	Power In	Rx or B (+)
5	Tx or A (-)	Tx or A (-)	NC	NC	NC	Ground	Ground	Analog Out 2
6	Analog Out	Analog In	Rx or B (+)	Analog In	Analog In	Analog In	Tx or A (-)	NC
7	Power In	Ground	Power In	Ground	Ground	Ground	Analog In	Power In
8	Ground	Ground	Ground	Ground	Ground	Tx or A (-)	Not Used	Ground
9	Ground	Rx or B (+)	Ground	Rx or B (+)	Tx or A (-)	Rx or B (+)	Ground	Ground

Pin	DB9I	DB9N	DB9E	DB9KS	DB9MX	DB9P/M	DB9V
1	NC	Power In	Power In	Ground	Ground	Power In	Ground
2	Analog Out	Analog In	Analog In	Power In	Ground	Ground	Ground
3	Power In	Analog Out	Analog Out	Ground	Power In	Analog Out	Power In
4	Ground	NC	NC	Analog In	Analog Out 2	Ground	Analog Out
5	NC	Ground	Ground	Tx or A (-)	Analog In	Analog In	Analog In
6	Analog In	Ground	Ground	Analog Out	Analog Out	Ground	Tx or A (-)
7	Ground	Rx or B (+)	Rx or B (+)	Ground	NC	Tx or A (-)	Analog Out 2
8	Rx or B (+)	Tx or A (-)	Tx or A (-)	Ground	Rx or B (+)	Rx or B (+)	Not Used
9	Tx or A (-)	NC	NC	Rx or B (+)	Tx or A (-)	NC	Rx or B (+)

Note: Do not connect RS-485 to RS-232 units or cables. Damage will occur. Check part number or contact factory to verify RS-485 functionality.

Key of Terms:

Analog In

Remote tare (ground to tare)

Analog Out

0–5 Vdc output signal
(1–5, 0–10 Vdc optional)

Analog Out 2

5.12 Vdc or optional secondary
analog output

Current Out

4–20 mA analog output signal

NC

Not connected

Power In

(+Vdc)

RX or A

Serial RS-232RX or RS-485 A

TX or B

Serial RS-232TX or RS-485 B

Ground

Common for power, digital
communications, analog signals, alarms