

Powermate™ Model 330 External (Pulse In) DB9F Information

The DB9 (female) connector on the Powermate™ 330 is normally used to provide an input from the Photo/IR pickup. The Pulse Input signal is Open Collector with a 49.9k (or 4.99k) Ohm pull-up resistor inside the Powermate. If an external pulse input is desired, any equivalent switch closure from the Pulse Input to the Signal Ground will be received as an external pulse. The wiring of the DB9 connector is:

<u>DB9</u>	<u>SIGNAL</u>
1	RAWBAT (+12VDC) *** DO NOT CONNECT ***
2	=> Signal Ground (O.C. Return)
3	External Input [TTL Input]
4	=> Pulse Input (O.C. Signal, Weak Pull-up)
5	TXD (+5V Logic) [TTL Output]
6	SYNCH Clock *** DO NOT CONNECT ***
7	SYNCH Output *** DO NOT CONNECT ***
8	SYNCH Input *** DO NOT CONNECT ***
9	External Select [TTL Output]

The factory can provide a DB9 (Male) connector with pigtail for the Open Collector inputs to pins 2 and 4 or the user may build his own. If a local cable is built, AVOID making connections to pins other than 2 and 4 without first contacting the factory for assistance.