Driving a relay or low impedance input (Open Drain)

J4

1N4004 *

0-24 VDC
POWER
SUPPLY

ALARM
RELAY
200 mA MAX

10.0K

From MCU

* Diode required for magnetic relays.
Not required for solid state relays, or
magnetic relays with internal diode.
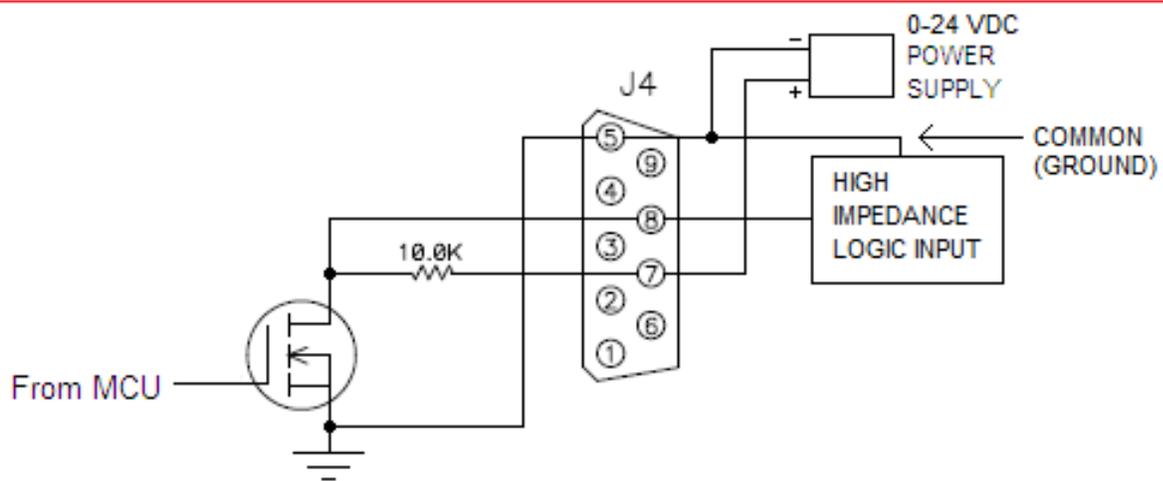
Driving a high impedance input (Pull High/Drive Low)

0-24 VDC
POWER
SUPPLY

J4

COMMON
(GROUND)

HIGH
IMPEDANCE
LOGIC INPUT

10.0K

From MCU
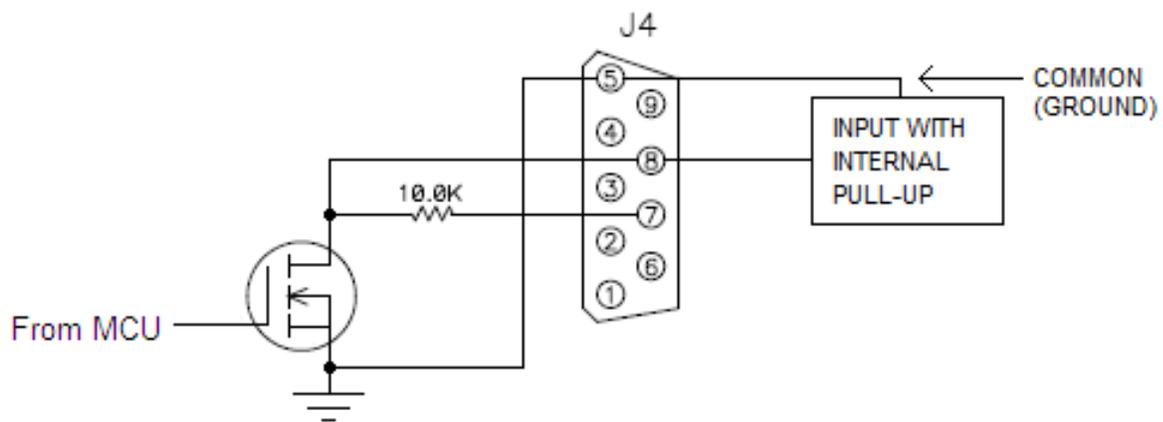
Driving TTL or input with internal pull-up (Open Drain)

J4

COMMON
(GROUND)

INPUT WITH
INTERNAL
PULL-UP

10.0K

From MCU