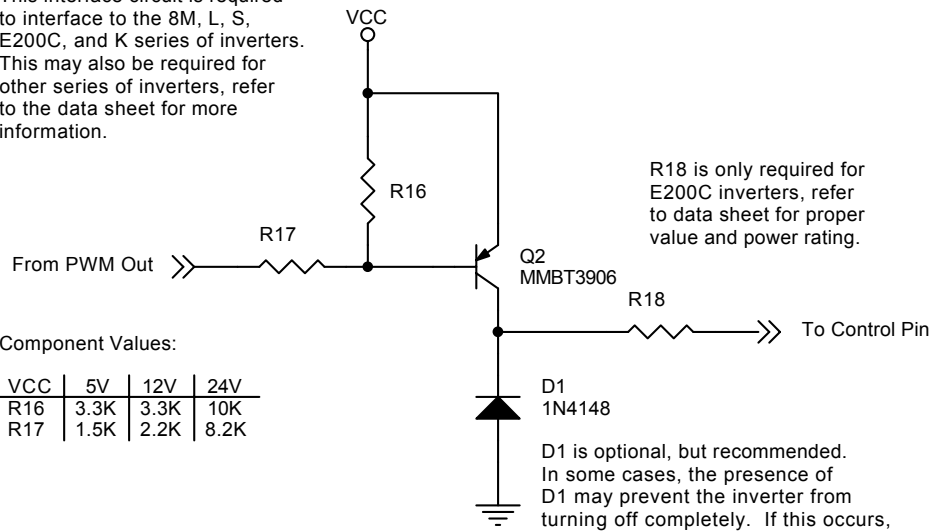


This interface circuit is required to interface to the 8M, L, S, E200C, and K series of inverters. This may also be required for other series of inverters, refer to the data sheet for more information.



Component Values:

VCC	5V	12V	24V
R16	3.3K	3.3K	10K
R17	1.5K	2.2K	8.2K

D1 is optional, but recommended. In some cases, the presence of D1 may prevent the inverter from turning off completely. If this occurs, omit D1.

R18 is only required for E200C inverters, refer to data sheet for proper value and power rating.

PWM Characteristics (typical):

Frequency: 160 Hz

Control Voltage Input Range:

VCC	Min	Max
5V	0.3V	4.7V
12V	1.1V	10.2V
24V	1.1V	22.2V

For 5V operation, the LMV324 must be used for U1 in place of the standard LM324.

DNP - (Do Not Populate)

All resistors 5% unless otherwise specified. Be sure to check power levels in components before picking package size. Dissipated power in each resistor is usually less than 1/8 watt.

This circuit is provided for reference only. You should refer to the data sheet(s) of the recommended components to determine if they will work properly in your application.

Endicott Research Group, Inc.

JM 4/18/2002

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A	None	0	
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