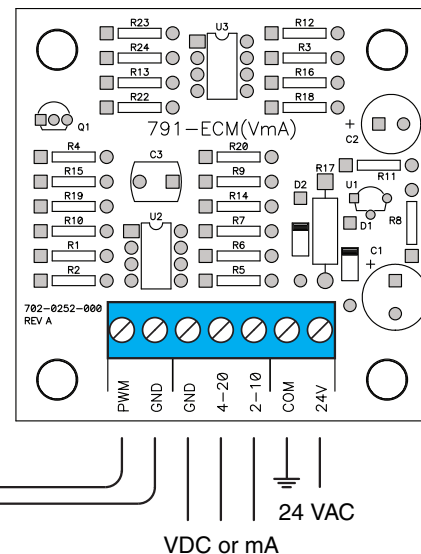
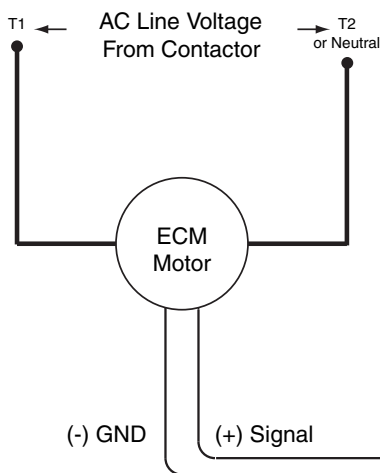


791-ECM(VmA) Motor Speed Controller

### Description

The 791-ECM(VmA) controller accepts a 2-10 VDC or 4-20mA input signal, and provides a pulse width modulated output (PWM) from 0% to 100% over the full factory operating span to drive an ECM motor. A single ECM motor may be driven by the 791-ECM(VmA) controller provided the total load current specification is not exceeded (5 mA).



**CAUTION**  
If a ground reference is applied to the 24VAC power source, the "grounded" lead must be connected to terminal 24V COM ONLY.

791-ECM(VmA) Wiring Diagram

### Applications

#### Proportional Control - 791-ECM(VmA)

The 791-ECM control operates in a direct acting fashion (more signal = more output) with a linear increase of the output as the input signal increases over the 2-10 VDC or 4-20 mA span.

#### Proportional and Integral Control - 790-ECM(VmA)PI

Some applications may require that the controller operate at a set point, without any signal error. Applications for maintaining a constant flow, pressure, or involving more than a single motor can be accommodated with the 790-ECM Series of controls and sensors.

### Specifications

Input Voltage	24V AC (+20%/-10%)
Input Signals	
DC Volts	2-10V DC
Input Impedance	10,000 Ohms Min.
DC milliAmps	4-20 mA D C
Input Impedance	500 Ohms
Output	0% to 100% PWM @ 80Hz
	13.5 VDC, 5mA (max.)
Operating Ambient	32°F to 120°F
Humidity	95%, Non-condensing
Dimensions (L x W x H)	2.50" x 2.50" x 1.25"