Hoffman Controls

Product Data



792-ECM(VmA) Motor Speed Controller

Description

The 792-ECM(VmA) Controller is desgned to vary the speed of an EC Motor via a Pulse Width Modulated (PWM) signal. The output current capacity is sufficient to drive a single motor input (5mA).

The controller will accept either a 2-10 VDC or 4-20 mA input signal. The PWM output signal will scale from 0% to 100% over the input signal range.

A manual speed adjustment is also provided, and will allow for 0% to 100% PWM output over it's adjustment range. This manual speed adjustment can also be used to provide a continuous minimum speed when using the VDC or mA input.

ECM Speed Controller

Applications

Variable Speed Control

Variable speed control can be used when operation over the entire speed / flow range of the motor is required. When using the variable speed control signal (2-10 VDC or 4-20 mA), the motor will automatically turn off when the signal drops below the minimum input level (2 VDC or 4 mA).

Manual Speed Control

Manual speed control may be used when operation at a single fixed speed / flow point of the motor is required. Once adjusted to the required speed / flow point, ON / OFF operation can only be achieved by removing power from the controller or the motor. The manual speed adjustment can be used in conjunction with the variable speed control to provide continuous flow as required

Specifications

Input Voltage 24V AC (+20%/-10%)

Input Signals

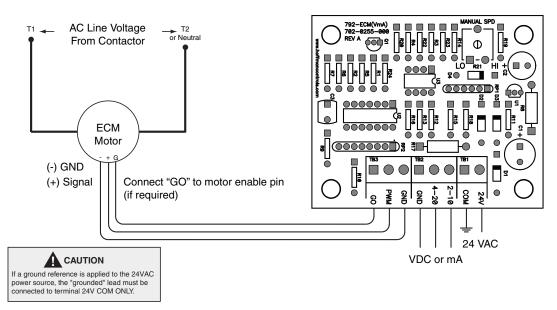
DC Volts 2–10V DC
Input Impedance 10,000 Ohms Min.
DC milliAmps 4–20 m A D C
Input Impedance 500 Ohms

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" x3.00" x 1.25"



792-ECM(VmA) Wiring Diagram

Hoffman Controls