



ECM Controller 1.9 Operating Instructions

Operation

On initial power up the Run LED will light indicating it is ready to receive an input on one of the three AC inputs or on the 0-10VDC input. Applying a 24VAC input voltage to any one of the three terminals will output the programmed voltage for corresponding input. Typically Input 1 would be used for the slowest setting and Input 3 the highest. An input voltage on Input 2 will override Input 1 and switch to output two's programmed voltage. The same applies for Input 3, regardless if an input voltage is present on Input 1 or Input 2. LED's P1, P2 and P3 are provided to give a visual indication of which output voltage is presently being output. If a 0-10VDC signal is applied no indicator will light but the output will be proportional to the input. For example a 2VDC = 20% PWM, 8VDC = 80% PWM

NOTE: If no input voltage is being detected you may have to switch the input polarity by moving the jumper JP1 to the alternate pin pair. The default setting is for a common ground circuit.

Setup / Programming

Upon power up you will then be able to program the output voltages that correspond to their respective inputs. To program Input 1 press the SETUP button once. You'll notice the Run LED will turn off and the P1 LED will now be lit.

Using the UP and DOWN buttons you will be able to increase or decrease the output voltage. Pressing and holding the UP / DOWN button will steadily increase/decrease the output voltage. Once the desired voltage is reached press the SETUP button to save the setting and advance to the next input. If no change is necessary just press the SETUP button to advance to the next input. After Input 3 is set press SETUP to save the settings and return to run mode.

NOTE: Whenever the Run LED is off the controller is in program mode and will ignore all inputs. If no button is pressed for 20 seconds the controller will return to run mode. If this happens the controller will revert back to the previously programmed voltage for that particular input that you were programming..