

Specifications



UniDrive® 300128

Speed Control, 1-9VDC Analog Output

The 300128 Speed Control provides an adjustable 1VDC - 9VDC analog output for use in controlling the speed of up to ten 110515 or 110546 UniDrive® motor controls using only one 300128 Speed Control. The 110515 and 110546 motor controls require a differential analog input signal and the + and - analog output from the 300128 Speed Control provide this differential signal.

When the Speed Control ON/OFF Switch is in the ON position the control knob on the Speed Control manually controls the output voltage that is provided to the individual motor controls.

When the control knob is at the maximum (MAX) position or fully CW the analog output voltage from the Speed Control is approximately 9VDC which is the control voltage the motor control requires to operate the motor at its maximum motor speed

When the control knob is at the minimum (MIN) position or fully CCW the analog output voltage from the Speed Control is approximately 1VDC which is the control voltage the motor control requires to operate the motor at its minimum motor speed.

When the Speed Control ON/OFF Switch is in the OFF position the analog output voltage that is provided to the individual motor controls is maintained at less than 0.5VDC. When the analog input voltage to the motor controls is less than 0.5VDC the motor speed is control by the DIP switches on the individual motor controls.

To connect up to ten motor controls to one Speed Control module it is recommended that suitable splices and two short wires from each control be used to connect the individual motor controls to the two wires that are used to provide the + and - voltage signals coming from the Speed Control module.

- 1) +24V DC Power Input Header (plug included)
 - a. Pin 1 +24VDC (Pwr +)
 - b. Pin 2 0VDC (Pwr -)
- 2) Output Header (plug included)
 - a. Pin 1 0VDC Output to Analog IN- on the control
 - b. Pin 2 Adjustable Output Voltage to Analog IN+ on the control
 - c. Pin 3 Adjustable Output Voltage to Analog IN+ on the control
 - d. Pin 4 0VDC Output to Analog IN- on the control
- 3) Output ON/OFF Switch
 - a. ON Position – Output Voltage is adjustable using the Control Knob from 1VDC to 9VDC
 - b. OFF Position – Output Voltage is set to less than 0.5Vdc
- 4) Control Knob for adjusting the Output Voltage
- 5) Mounting Plate
- 6) Cover

Note: When the Output Voltage of the Speed Control is less than 0.5VDC the Motor Speed's is controlled using the DIP Switches on the UniDrive® Control.



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