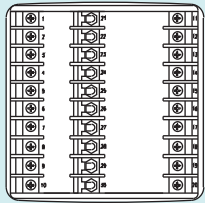
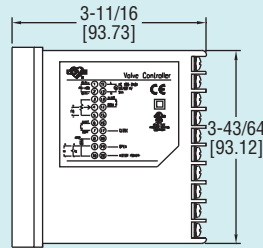
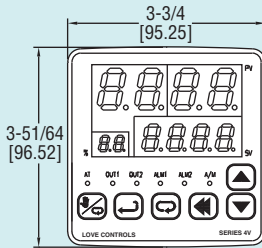




Model
4V-3

1 / 4 DIN Valve Temperature Controller

Valve Position Feedback, RS-485 Communications



The **Series 4V 1/4 DIN Temperature Controller** displays and controls the current position of a valve or damper by accepting in a signal from a position indicator such as our QV series. The controls can be programmed for ON/OFF, PID, ramp and soak, auto-tuning or manual tuning control methods. For greater design flexibility, the Series 4V accepts thermocouple, RTD, current or voltage inputs. An auto/manual key is located on the front panel in order to toggle between manual operation and automatic operation. The RS-485 serial communications can work with either ASCII or Modbus® RTU protocol. During normal operation, the controller will display the present value (PV), set point value (SV) and the current valve position (%). The Series 4V is equipped with two programmable alarm set points.

Model 4V-3, Valve Temperature Controller

ACCESSORIES

A-277, 250 ohm precision resistor

MN-1, Mini-Node™ USB/RS-485 converter

Input Types	Range
Type K T/C	-328 to 2372°F (-200 to 1300°C)
Type J T/C	-148 to 2192°F (-100 to 1200°C)
Type T T/C	-328 to 752°F (-200 to 400°C)
Type E T/C	32 to 1112°F (0 to 600°C)
Type W T/C	-328 to 2372°F (-200 to 1300°C)
Type R T/C	32 to 3092°F (0 to 1700°C)
Type S T/C	32 to 3092°F (0 to 1700°C)
Type B T/C	212 to 3272°F (100 to 1800°C)
Type L T/C	-328 to 1562°F (-200 to 850°C)
Type U T/C	-328 to 932°F (-200 to 500°C)
Pt 100 RTD	-328 to 1112°F (-200 to 600°C)
0-50 mV	-999 to 9999
0-5 V	-999 to 9999
0-10 V	-999 to 9999
0-20 mA*	-999 to 9999
4-20 mA*	-999 to 9999

*Requires 250 Ohm Precision Resistor.

SPECIFICATIONS

Input: Thermocouple, RTD, DC Voltages or DC Current.

Display: 2 line, 7 segment LED, 4 bits and 2 bits of valve openness display.

Accuracy: ±0.25%, ± least significant digit.

Supply Voltage: 100 to 240 VAC, 50/60 Hz.

Power Consumption: 5 VA max.

Operating Temperature: 32 to 122°F (0 to 50°C).

Memory Backup: Non-volatile memory.

Control Output Ratings: SPST 5A @ 250 VAC resistive.

Communications: RS-485 Modbus® A-5-11/RTU Communication Protocol.

Weight: 15 oz (425 g).

Agency Approvals: CE, UL.

Front Panel Rating: IP66.

Temperature

NEW PRODUCT!



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