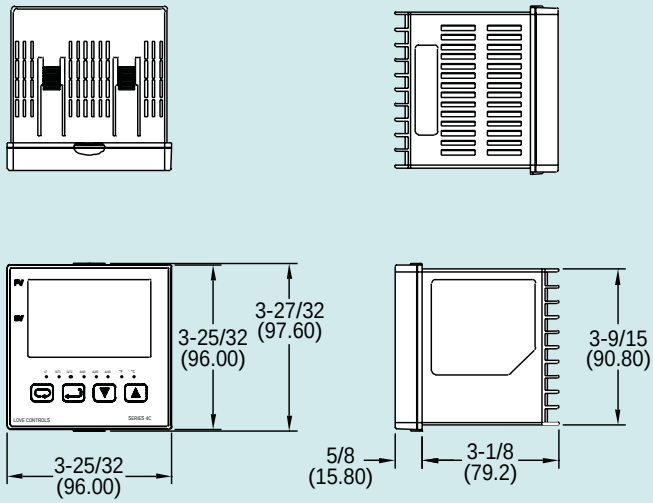
Series 4C

1/4 DIN Temperature Controller

PID Control, Auto-Tuning, Large Dual Display, RS 485 Communication



The Series 4C 1/4˝ DIN Temperature Controller offers easy-to-use programming menus designed for quick installation. Control functions include ON/OFF, PID, auto-tuning or manual tuning. The Series 4C is available with relay, voltage or current output with two additional alarm outputs. The alarm outputs can be configured from 12 different preprogrammed settings. The Series 4C accepts a variety of thermocouple and RTD inputs. Process value and setpoint value are simultaneously displayed with the process value in red and setpoint in green.

Input Types	Range
Pt100Ω RTD	32 to 212°F (0 to 100°C) -4 to 932°F (-20 to 500°C) -328 to 1112°F (-200 to 600°C)
T/C type B	212 to 3272°F (100 to 1800°C)
T/C type S	32 to 3092°F (0 to 1700°C)
T/C type R	32 to 3092°F (0 to 1700°C)
T/C type N	-328 to 2372°F (-200 to 1300°C)
T/C type E	32 to 1112°F (0 to 600°C)
T/C type T	-4 to 752°F (-20 to 400°C) -328 to 752°F (-200 to 400°C)
T/C type J	-4 to 752°F (-20 to 400°C) -148 to 1562°F (-100 to 850°C)
T/C type K	-328 to 2372°F (-200 to 1300°C) -328 to 932°F (-200 to 500°C)
T/C type L	-328 to 932°F (-200 to 500°C)
T/C type U	-328 to 1472°F (-200 to 800°C)

SPECIFICATIONS

Inputs: Thermocouple or RTD, see chart.
Display: Two 4-digit, 7 segment. LED's. PV: red .75˝ H (19 mm); SV: green .5˝ (12.7 mm).
Accuracy: ±0.25% span, ±1 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: Nonvolatile memory.
Control Output Ratings:
Relay: SPST, 5A @ 250 VAC resistive.
Voltage pulse: 14V, 10% to -20% (max 40 mA).
Current: 4 to 20 mA.
Communication: RS 485 Modbus® A-5-11/RTU Communication Protocal
Weight: 15 oz (472 g).
Agency Approvals: CE, UL.

MODELS

Model Number	Output
4C-2	Voltage Pulse
4C-3	Relay
4C-5	Current

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