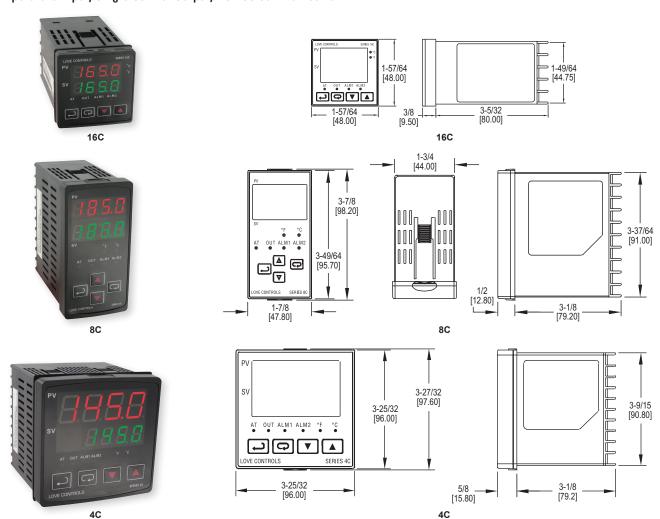


TEMPERATURE LOOP CONTROLLERS Universal Temperature Input, Single Control Output, RS-485 Communication



The SERIES 16C, 8C, & 4C Temperature Loop Controllers offer advanced control features for the most demanding temperature or process applications. Offered in 3 standard DIN cutout housing sizes, these controllers are designed with dual, 4 digit LED displays for local indication of the process value, setpoint, and output conditions.

FEATURES/BENEFITS

- Universal input accepts RTD or thermocouple sensors
 On/Off, PID, or manual output control
- · RS-485 standard on all models

APPLICATIONS

- · Oven, boiler, or chiller control
- Hot plates/melt potsFood service equipment
- Environmental chambers
- · Packaging equipment

MODEL CHART Model

8C-2

Output

Voltage pulse Relay

MODEL CHART	
Model	Output
16C-2 16C-3 16C-5	Voltage pulse Relay Current

MODEL CHART		
Model	Output	
4C-2 4C-3 4C-5	Voltage pulse Relay Current	

4C-5	Current	
ACCESSORIES		
Model	Description	
MN-1 SCD-SW A-600	Mini-Node™ RS-485 to USB converted Configuration software R/C snubber	

INPUT RANGES		
Input Types	Range	
K Type TC K Type TC J Type TC J Type TC T Type TC T Type TC T Type TC T Type TC R Type TC R Type TC R Type TC R Type TC B Type TC B Type TC U Type TC U Type TC Pt 100 RTD Pt 100 RTD	-328 to 2372°F (-200 to 1300°C) -328 to 932°F (-200 to 500°C) -148 to 2192°F (-100 to 1200°C) -4 to 752°F (-20 to 400°C) -328 to 752°F (-200 to 400°C) -328 to 752°F (-200 to 400°C) -328 to 752°F (-200 to 400°C) -328 to 2372°F (-200 to 1300°C) -32 to 3092°F (0 to 1700°C) -32 to 3092°F (0 to 1700°C) -32 to 3092°F (100 to 1800°C) -328 to 932°F (-200 to 500°C) -328 to 1472°F (-200 to 600°C) -4 to 932°F (-20 to 500°C) -32 to 212°F (0 to 100°C)	

SPECIFICATIONS

Inputs: Thermocouple or RTD.

Display: Two 4 digit, 7 segment LED's. PV: Red, SV: Green.
Accuracy: ±0.25% of span, ±1 least significant digit.
Power Requirements: 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, 5 A @ 250 VAC resistive for 16C; SPDT, 5 A @ 250 VAC resistive for 8C and 4C; Voltage Pulse: 14 VDC (max. 40 mA); Current: 4 to 20 mA.

Communication: RS-485 Modbus® ASCII communication protocol.

Weight: 4 oz (114G) for 16C, 15 oz (425g) for 8C and 4C. Front Panel Rating: IP56.
Agency Approvals: CE, cULus.

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