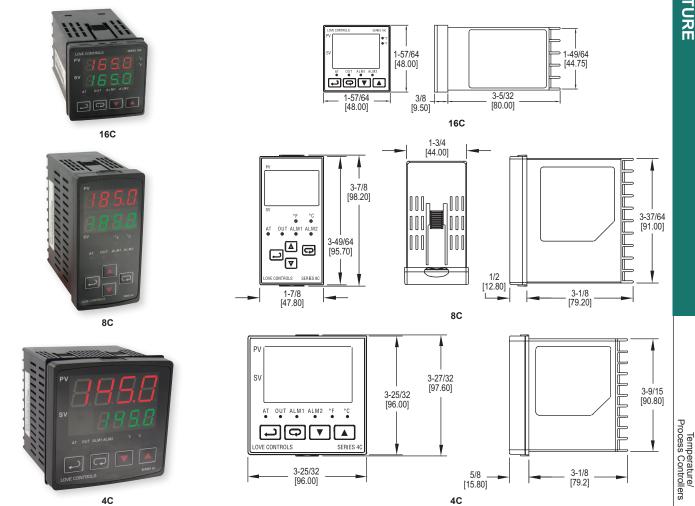
Dwyer. SERIES 16C, 8C, & 4C **TEMPERATURE LOOP CONTROLLERS** Universal Temperature Input, Single Control Output, RS-485 Communication



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, set point, and output conditions.

MODEL CHART

Model Output 8C-2

8C-3 8C-5

· Environmental chambers

Packaging equipment

Voltage pulse

Relay Current

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

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

MODEL CHART

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

ACCESSORIES

| ACCESSORIE | CESSORIES | |
|------------|---|--|
| Model | Description | |
| SCD-SW | Mini-Node [™] RS-485 to USB converter Configuration software R/C snubber | |

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: 100-240 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: 4-20 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. |

INDUT DANOE

| INPUT RANGES | | | |
|---|---|--|--|
| Input Types | Range | | |
| K Type TC K Type TC J Type TC J Type TC T Type TC T Type TC E Type TC R Type TC R Type TC B Type TC B Type TC L 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 (-200 to 500°C) -148 to 2192°F (-100 to 1200°C) 4 to 752°F (-20 to 400°C) 32 to 112°F (0 to 600°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) 212 to 3272°F (100 to 1800°C) -328 to 932°F (-200 to 500°C) -328 to 1472°F (-200 to 600°C) -328 to 122°F (0 to 100°C) | | |
| | | | |

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