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
- Environmental chambers
- Hot plates/melt pots
- Packaging equipment
- Food service equipment

**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:**
- 16C: 4 oz (114G)
- 8C: 15 oz (425G)
- 4C: 10 oz (283G)

**Agency Approvals:** CE, cULus.

**INPUT RANGES**

**Input Types**
- K Type TC
- J Type TC
- T Type TC
- E Type TC
- R Type TC
- S Type TC
- B Type TC
- N Type TC
- L Type TC
- U Type TC
- Pt 100 RTD

**Range**
- -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)
- 32 to 1112°F (0 to 600°C)
- -328 to 2372°F (0 to 1300°C)
- 32 to 3092°F (0 to 1700°C)
- 212 to 3272°F (100 to 1800°C)
- 32 to 1472°F (200 to 800°C)
- -328 to 932°F (-200 to 500°C)
- 32 to 1112°F (-200 to 600°C)
- -328 to 1472°F (-200 to 800°C)
- -328 to 932°F (-200 to 500°C)
- 32 to 1112°F (-200 to 600°C)
- 32 to 1212°F (-20 to 100°C)

---

**ACCESSORIES**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>MN-1</td>
<td>Mini-Node™ RS-485 to USB converter</td>
<td>$79.50</td>
</tr>
<tr>
<td>SCD-SW</td>
<td>Configuration software</td>
<td>35.00</td>
</tr>
<tr>
<td>A-600</td>
<td>R/C snubber</td>
<td>18.75</td>
</tr>
</tbody>
</table>

*Items are net priced and are not subject to any discount.*