The compact Series 16C Temperature Controller offers accurate temperature measurement and control in a 1/16 DIN package. Designed for direct or reverse acting (cooling or heating) control, the Series 16C can be programmed for simple ON/OFF or more complex PID control functions. PID control is supported with manual or auto-tuning. Select relay, voltage or current output for control methods.

The Series 16C accepts a variety of thermocouple and RTD inputs. Process value and setpoint value are displayed simultaneously on the large dual LED. Auto-tuning, engineering units (°F or °C), and alarm status is also indicated on the faceplate. Two alarm outputs are included on the unit with 12 preprogrammed alarm functions.

### SPECIFICATIONS

**Inputs:** Thermocouple, RTD, see chart.

**Display:** Two 4-digit, 7 segment .25˝ H (6.35 mm) LED's. PV: red; SV: green.

**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® communication protocol.

**Weight:** 4 oz (114 g).

**Agency Approvals:** CE, UL, cUL.

**Front Panel Rating:** NEMA 4X (IP66).

### ACCESSORIES

- SCD-SW, Configuration Software
- MN-1, Mini-Node™ USB/RS-485 converter
- A-600, R/C snubber

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