



# Model UC-1500 Temperature Control

Historically,  
industrial laundries  
are labor-intensive,  
high-stress operations.

**Custom Control  
Systems**

has changed that.



## U C - 1 5 0 0 F E A T U R E S

1. 0.56" Numeric LED display
2. Four output status LEDs
3. Four water temperature setpoints
4. NEMA 4 polycarbonate enclosure

**For more information:**

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## PRODUCT DESCRIPTION

The UC-1500 Industrial Temperature Control Unit is a compact, cost-effective solution to industrial temperature control problems.

Unlike many temperature controls on the market, it is equipped with four relays that are switched on or off when the controller reaches one of four user-programmable setpoints. It also provides a convenient three-digit LED temperature display.

The UC-1500 takes advantage of recent advances in microprocessor technology. At the heart of this control unit is a high-performance RISC-like CPU (central processing unit). This device allows it to monitor the temperature input, update the display, activate relays and perform other important operating tasks 10 times per second. The UC-1500 has a temperature sensing range of 0 to 255° Fahrenheit or -17° to 123° Celsius in 1° increments, and the number of readings averaged for display purposes is user-programmable, as are the frequency display updates and the temperature display offset.

The UC-1500 is housed in a polycarbonate enclosure. Polycarbonate, an injection-molded engineering thermoplastic, exhibits high impact resistance, a wide range of temperature limits, good dimensional stability, good electrical properties and capability of high transparency. UC-1500 enclosures also offer improved fire retardance and UV exposure properties.

## WARRANTY

All products manufactured by Custom Control Systems Inc. are warranted against defects in material and workmanship for one year from date of purchase. If a defect occurs, the product will be repaired free of charge during the warranty period. Full details outlined in product manual.

# UC-1500 SPECIFICATIONS

## PROGRAMMING

**Temperature Range** 0 to 255° Fahrenheit or -17° to 123° Celsius in 1° increments

**Temperature Setpoints** Four programmable setpoints, with LED indicators and relays

**Temperature sensor accuracy**  $\pm 1.6^{\circ}\text{F}$ , non-linearity:  $\pm 0.4^{\circ}\text{F}$

## ELECTRICAL

**Power Source** 12 - 24 Volts AC or DC, 50 - 60 Hz.

**Relay Outputs** Four relay outputs. Rated load at relay contacts: 5A, 250 VAC or 5A, 30 VDC.

**Analog Inputs** One input for CCS water temperature probe.

## CONSTRUCTION

**Enclosure Dimensions** 4.75" x 3.15" x 3.4" (120mm x 80mm x 86mm)

**Temperature Limits** -31° F (-35° C) to 180° F (82° C)

**NEMA Rating** Meets industry standards NEMA Type 4, Type 4X, Type 6, Type 12 and Type 13, IEC 529, IP67 and flammability rating UL94-HB.