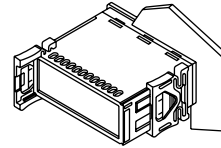
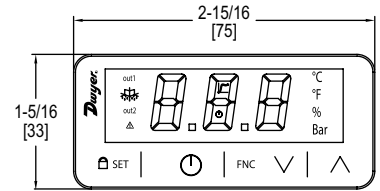
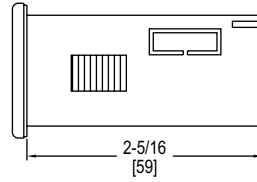
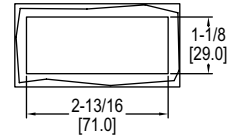


## DIGITAL TEMPERATURE CONTROLLER

Universal Sensor Input with Relay



DRILLING TEMPLATE



The **Series 40T2 Digital Temperature Controller** accepts a variety of inputs for temperature measurements and set points up to 999°F/537°C. Observing the current status of the controller is made easier with the 3-digit, multi-color LED display that has alarm and output symbols. For added versatility, the temperature units can be field selected for °F or °C. A flashing alarm informs users when the current temperature exceeds preset limits. The Modbus® protocol TTL slave port can be used to communicate over a TTL/RS-485 interface. When programming multiple units, the 40X2-K programming key is available to reduce setup time.

## BENEFITS/FEATURES

- Field selectable °F or °C
- Universal temperature sensor or transmitter input
- Configuration key to quickly load parameters from one unit to another
- Heating and cooling operation modes
- TTL/RS-485 communication

## APPLICATIONS

- Food service equipment
- Industrial process control

## MODEL CHART

Model	Power Supply
40T2-10	115 V
40T2-20	230 V
40T2-40	12-24 V

## ACCESSORIES

Model	Description
40X2-K	40M2/T2 programming key
TCS-J	J type thermocouple, 4" probe, 48" extension
TCS-K	K type thermocouple, 4" probe, 48" extension
TS-1	PTC sensor, brass sheath, PVC cable, 5 ft. (1.5 m) length
TS-2	PTC sensor, SS sheath, PVC cable, 5 ft (1.5 m) length
TS-7	NTC sensor, no sheath, PVC cable, 5 ft (1.5 m) length

## SPECIFICATIONS

**Sensor Input:** RTD, thermocouple, thermistor, current, or voltage. 1 digital multipurpose dry contact (not available if unit configured for Pt 100, Pt 1000, or Ni 120 3-wire input).

**Multipurpose Input:** Dry contact 3.3V, 1 mA (not available if sensor input is configured for Pt 100, Pt 1000, or Ni 120 3-wire input).

**Sensor Input Types:** Current: 0-20 mA/4-20 mA, configurable; Voltage: 0-10 V/2-10 V, configurable; PTC probe: -58 to 302°F (-50 to 150°C); NTC probe: -40 to 230°F (-40 to 110°C); PT100 probe\*: -148 to 999°F (-100 to 650°C); PT1000 probe\*: -148 to 999°F (-100 to 650°C); Ni120 probe: -112 to 572°F (-80 to 300°C); J T/C\*: -130 to 999°F (-90 to 700°C); K T/C\*: -130 to 999°F (-90 to 999°C).

**Output:** Relay contact.

**Control Type:** On-off.

**Power Requirements:** 115 VAC or 230 VAC (50/60 Hz), or 12-24 VAC/DC (50/60 Hz) depending on model.

**Accuracy:** ±2°F (1°C).

**Communication:** TTL/RS-485 interface, Modbus® protocol port for programming or BMS.

**Display:** 3 digit LED display.

**Relay Output:** K1 16 A in-rush res. @ 250 VAC, SPDT, type 1.

**Alarm:** Built-in buzzer.

**Operating Humidity:** 10-90% RH non-condensing.

**Operating Temperature:** 23 to 131°F (-5 to 55°C).

**Storage Temperature:** -13 to 158°F (-25 to 70°C).

**Weight:** 2.3 oz (65 g).

**Front Panel Rating:** IP65.

**Compliance:** CE, UKCA, cURus.

\*Upper range limited by 3-digit display.