Dwyer

SERIES 40T2

DIGITAL TEMPERATURE CONTROLLER
Universal Sensor Input with Relay

2-15/16 [75]

1-5/16 [33]

2-5/16 [59]

DRILLING TEMPLATE

1-1/8 [29.0]

2-13/16 [71.0]
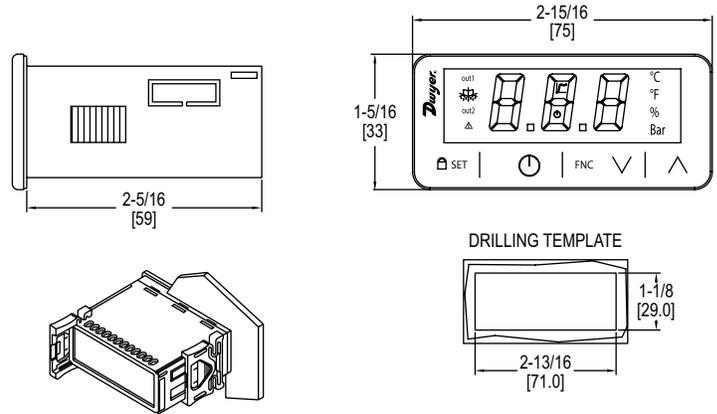
The **Series 40T2 Digital Temperature Controller** accepts a variety of inputs for temperature measurements and set points up to 999°F/537°C. Observing the current status of the controller is made easier with the 3-digit, multi-color LED display that has alarm and output symbols. For added versatility, 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 programing key

SPECIFICATIONS

Sensor Input: RTD, thermocouple, thermistor, current, or voltage. 1 digital multipurpose dry contact (not available if unit configured fo 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: 0-20 mA/4-20 mA current: Configurable; 0-10 V/2-10 V voltage: Configurable; J T/C: 32 to 999°F (0 to 537°C); K T/C: 32 to 999°F (0 to 537°C); PTC probe: -58 to 302°F (-50 to 150°C); NTC probe: -40 to 230°F (-40 to 110°C); RTD probe: -148 to 999°F (-100 to 537°C); PT 100 probe: -148 to 572°F (-80 to 300°C); PT 1000 probe: -148 to 572°F (-80 to 300°C); Ni 120 probe: -112 to 572°F (-80 to 300°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 res. @ 250 VAC, SPDT, type 1C.

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, cURus, UL.