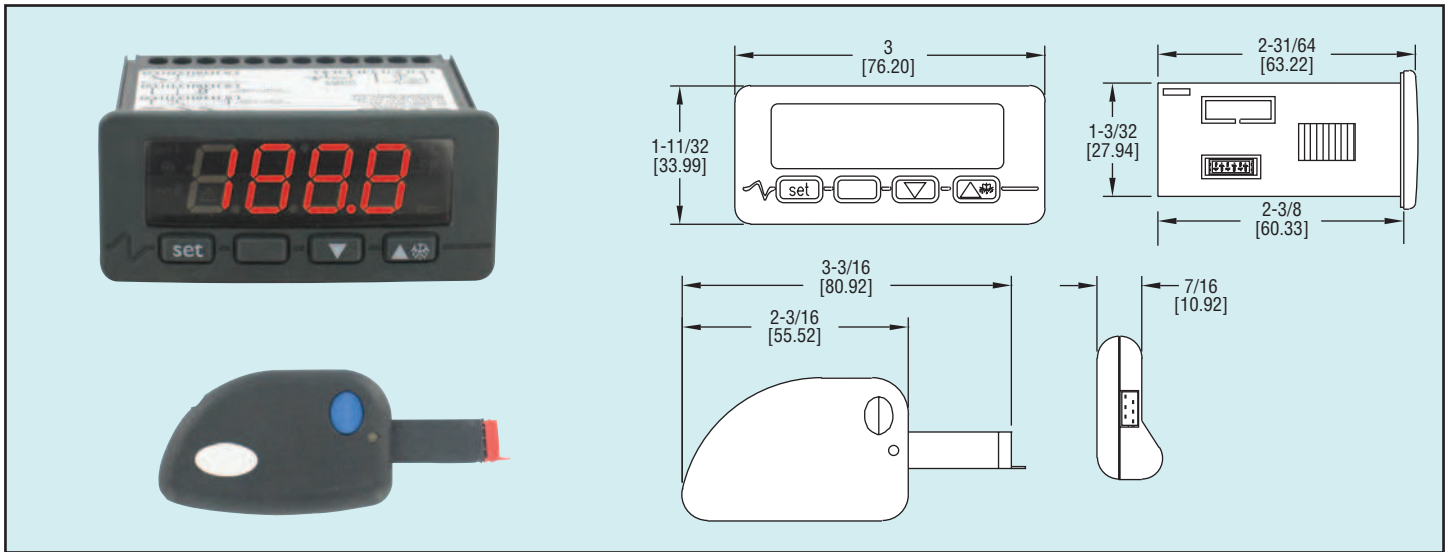




Series  
40T/  
40M

# Digital Temperature Switch

## 3-1/2 Digit Display, Programming Configuration Key



The Series 40 Digital Temperature Switch accepts a variety of inputs to allow temperature measurements and set points up to 1999°F (1300°C). Observing the current status of the control is made easier with the 3-1/2 digit, multi-color LED display that has alarm, defrost and output symbols. For added versatility, the temperature units can be field selected for °F or °C. For cooling applications, manual defrost mode can be initiated by pushing a single button. A flashing alarm informs users when the current temperature exceeds preset limits. When programming multiple units, a programming key is available to reduce set up time.

### SPECIFICATIONS

**Probe Range:** K T/C: -140 to 1999°F (-100 to 1300°C);  
J T/C: -140 to 1450°F (-100 to 800°C);  
RTD: -320 to 1200°F (-200 to 650°C);  
PTC: -58 to 300°F (-50 to 150°C);  
NTC: -40 to 230°F (-40 to 110°C);  
N. RTD: -110 to 570°F (-80 to 300°C).

**Output:** 16A @ 250 VAC SPDT relay (max current allowed is 10A).

**Control Type:** On/off.

**Power Requirements:** 12 to 24 VAC/VDC, 115 VAC or 230 VAC depending on model.

**Accuracy:** ±1% F.S.

**Display:** 3-1/2 digit red display.

**Resolution:** 0.1°C.

**Memory Backup:** Non-volatile memory.

**Ambient Temperature:** 32 to 131°F (0 to 55°C).

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

**Front Panel Rating:** IP 65.

**Agency Approvals:** UL, CE.

Thermocouple/RTD Input Models		Universal Input Models	
Model	Supply Power	Model	Supply Power
40T-10	115 VAC	40M-10	115 VAC
40T-20	230 VAC	40M-20	230 VAC
40T-40	12-24 VAC/VDC	40M-40	12-24 VAC/VDC

### ACCESSORIES

40X-K, Configuration key

TCS-J, J type thermocouple, 4" probe, 48" extension

TCS-K, K type thermocouple, 4" probe, 48" extension

TS-1, Brass PTC Thermistor Probe

TS-2, Stainless Steel PTC Thermistor Probe

TS-5, PVC PTC Thermistor Probe

TS-6, Polyamide Resin Coated Brass PTC Thermistor Probe

TS-7, Bead Type NPT Thermistor Probe

TEMPERATURE

Temperature Switches,  
Digital