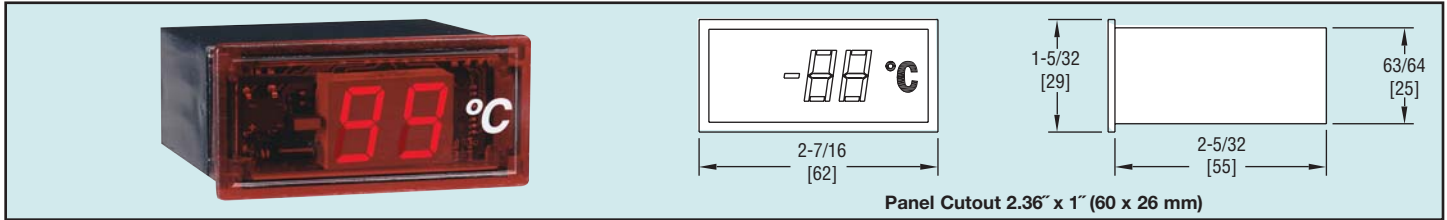




Series  
TI

# Temperature Indicator

Low Cost, Two-Digit Display,  $\pm 1\%$  Accuracy



Monitor temperature with the Series TI Temperature Indicator. Units offer a temperature range of -58 to 99°F (-50 to 99°C) with an accuracy of  $\pm 1\%$ . Quickly view temperatures on the bright red, double-digit LED. Models TI-106 & TI-216 feature an external potentiometer for probe temperature adjustment. The compact design of the Series TI makes it ideal for any refrigeration application.

### MODELS

Model Number	Power Supply	Display	Adjustable
TI-10	110 VAC	°F	No
TI-21	230 VAC	°C	No
TI-106	110 VAC	°F	Yes
TI-216	230 VAC	°C	Yes

### Accessory

DTS-5 PVC Temperature Probe with 5 ft (1.5 m) cable

### SPECIFICATIONS

**Probe Range:** -58 to 99°F or -50 to 99°C.

**Input:** PTC thermistor (1000 $\Omega$  @ 25°C), not included.

**Power Requirements:** 110 VAC or 230 VAC (depending on model).

**Accuracy:**  $\pm 1\%$  FS.

**Display:** 2-digit plus sign, red, 1/2" H digits.

**Resolution:** 1°.

**Front Panel Rating:** NEMA 4X (IP65).

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

**Agency Approvals:** UR, CE

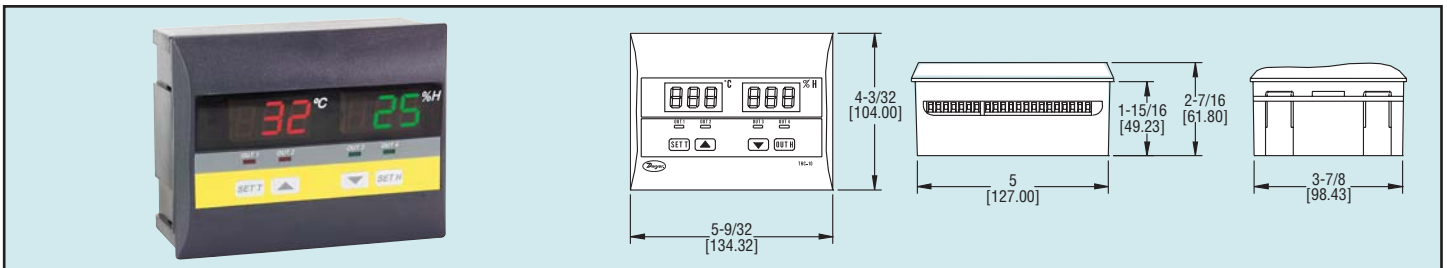
Temperature



Series  
THC

# Temperature/Humidity Switch

Independent Displays, 61 Programmable Parameters, 4 SPST Relays



Simultaneously measure and control temperature and humidity with the Series THC Temperature/Humidity Switch. The unit offers a 3-digit red display for temperature indication and a 3-digit green display indicating humidity. The Series THC is equipped with four independent relays, two for temperature control and two relays for humidity control.

The unit offers 61 programmable parameters for temperature and humidity control including set point, differential, direct/reverse acting, cycle time, alarm clock time, and decimal point adjustment. In the event of a probe error, the default operation of the relays can be set to open or close. The THC features error or alarm messaging and password protection.

The THC Temperature/Humidity Switch accepts up to two temperature probe inputs (sold separately) and a humidity sensor. A humidity sensor with 0-1V, 0-3V (sold separately), or 4-20 mA output can be used with the Series THC.

### MODELS

Model Number	Description
THC-10	°F 110 VAC
THC-11	°C 110 VAC
THC-20	°F 230 VAC
THC-21	°C 230 VAC

### ACCESSORIES

**THC-P** Humidity probe with 3V output & 4 ft (1.2 m) cable

**TS-5** Temperature probe, PVC with 5 ft (1.5 m) cable

**TS-6** Temperature probe, metal with 5 ft (1.5 m) cable

**S-51** Temperature probe, PVC with 10 ft (3 m) cable

**TS-61** Temperature probe, metal with 10 ft (3 m) cable

### SPECIFICATIONS

**Measurement Range:** Temperature: -58 to 302°F (-50 to 150°C); Humidity: 0 to 100%RH.

**Input:** Up to 2 thermistors and 1 humidity sensor.

**Output:** 4 SPST, 8A relays @ 250 VAC.

**Horsepower Rating (HP):** 1/3 HP.

**Control Type:** ON/OFF direction, direct or reverse acting, neutral.

**Power Requirements:** 110 or 230 VAC (depending on model).

**Accuracy:** Temperature:  $\pm 0.5\%$  of probe range; Humidity:  $\pm 3\%$  of range.

**Display:** Two 3-digit displays. 1/2" digits.

**Resolution:** 0.1°.

**Memory Backup:** Nonvolatile memory.

**Ambient Operating Temperature:** 32 to 158°F (0 to 70°C).

**Storage Temperature:** -4 to 176°F (-20 to 80°C).

**Weight:** 1.17 lb (530 g).

**Panel Cutout:** 5.15" x 2.37" (131 x 111 mm).

**Front Panel Protection:** NEMA 4X (IP65).

**Agency Approvals:** CE.