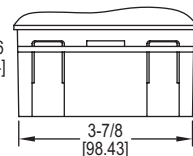
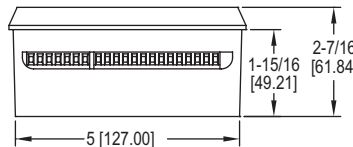
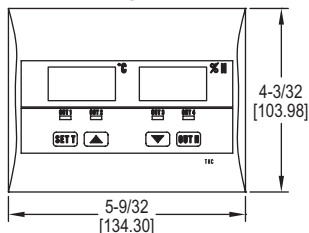


TEMPERATURE/HUMIDITY SWITCH

Independent Displays, 61 Programmable Parameters, 4 SPST Relays

Humidity Switches



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

FEATURES/BENEFITS

- Temperature and humidity control in one device
- Password protected parameter settings
- Selectable fail safe status of relay outputs

APPLICATIONS

- Isolation chambers
- Environmental chambers
- Greenhouses
- Beer and wine chillers

| MODEL CHART | | |
|-------------|--------------|------|
| Model | Supply Power | Unit |
| THC-10 | 115 VAC | °F |
| THC-11 | 115 VAC | °C |
| THC-20 | 230 VAC | °F |
| THC-21 | 230 VAC | °C |

| SPECIFICATIONS | |
|---|--|
| Measurement Range: Temperature: -58 to 302°F (-50 to 150°C); Humidity: 0 to 100% RH. | Display: Two 3-digit displays. 1/2" digits. |
| Input: Up to 2 thermistors and 1 humidity sensor. | Resolution: 0.1°. |
| Output: 4 SPST, 8 A relays @ 250 VAC. | Memory Backup: Nonvolatile memory. |
| Horsepower Rating (HP): 1/3 HP. | Ambient Operating Temperature: 32 to 158°F (0 to 70°C). |
| Control Type: ON/OFF direction, direct or reverse acting, neutral. | Storage Temperature: -4 to 176°F (-20 to 80°C). |
| Power Requirements: 110 or 230 VAC (depending on model). | Weight: 1.17 lb (530 g). |
| Accuracy: Temperature ±0.5% of probe range; Humidity: 20 to 90%. | Panel Cutout: 5.15" x 3.97" (131 x 101 mm). |
| | Front Panel Protection: IP64. |
| | Agency Approvals: CE. |

| ACCESSORIES | |
|-------------|--|
| Model | Description |
| THC-P | Humidity probe, 3 V 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 |
| TS-51 | Temperature probe, PVC with 10 ft (3 m) cable |
| TS-61 | Temperature probe, metal with 10 ft (3 m) cable |