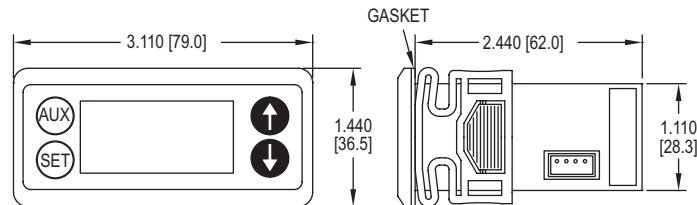


SERIES TSXT

DIGITAL TEMPERATURE SWITCH

Refrigeration Control, Up To 3 Probe Inputs and 3 Relay Outputs



Panel Cutout 2-51/64" x 1-9/64" (71 x 29 mm)

The **Series TSXT Digital Temperature Switch** is designed for refrigeration control. It accepts PTC or NTC temperature probe types and can control the compressor, defrost, fan, alarm, and light in a refrigeration system. Master/slave configurations allow synchronization of defrost cycles between different units. Programming is performed through the front keypad, or by using the TS2-K programming key.

FEATURES/BENEFITS

- Models available with 1, 2, or 3 relay outputs
- 3 temperature inputs and one digital input for complete refrigeration control
- Configuration key available for programming multiple units
- Capacitive buttons offer clean panel face design
- Modbus® communication protocol through TTL serial connection

APPLICATIONS

- Refrigerated cabinets
- Walk in coolers
- Applications requiring defrost cycles

MODEL CHART

| Model | Supply Power | Outputs | Model | Supply Power | Outputs |
|----------|--------------|---------|----------|--------------|---------|
| TSXT-211 | 115 VAC | 1 | TSXT-232 | 12 VAC/VDC | 2 |
| TSXT-221 | 230 VAC | 1 | TSXT-242 | 24 VAC/VDC | 2 |
| TSXT-231 | 12 VAC/VDC | 1 | TSXT-213 | 115 VAC | 3 |
| TSXT-241 | 24 VAC/VDC | 1 | TSXT-223 | 230 VAC | 3 |
| TSXT-212 | 115 VAC | 2 | TSXT-233 | 12 VAC/VDC | 3 |
| TSXT-222 | 230 VAC | 2 | TSXT-243 | 24 VAC/VDC | 3 |

SPECIFICATIONS

Probe Range: PTC: -58 to 302°F (-50 to 150°C); NTC: -58 to 230°F (-50 to 110°C).

Input: PTC (1000 Ω @ 25°C) or NTC (10 KΩ @ 25°C) thermistor.

Output: Relay 1: SPST relay rated 16 A @ 240 VAC resistive, 10 FLA, 60 LRA; Relay 2: SPST relay rated 5 A @ 240 VAC resistive; Relay 3: SPST relay rated 8 A @ 240 VAC resistive.

Horsepower Rating (HP): 1 HP (Relay 1).

Control Type: On/off with defrost options.

Power Requirements: 115 VAC, 230 VAC, 24 VAC/VDC, or 12 VAC/VDC.

Power Consumption: 3.6 VA @ 115/230 VAC; 1.5 VA @ 12/24 VAC/VDC.

Accuracy: ±1% FS.

Display: 3-digit, plus sign.

Resolution: 0.1°.

Memory Backup: Nonvolatile memory.

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

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

Weight: 115 and 230 V models: 7.2 oz (204 g); 12 and 24 V models: 4.8 oz (136 g).

Front Panel Rating: IP65.

Agency Approvals: CE, cURus.

ACCESSORIES

See page reference ❶ below.

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❶ Digital Temperature Switch Probes and Accessories: See page 144 (Series TS-Probes)