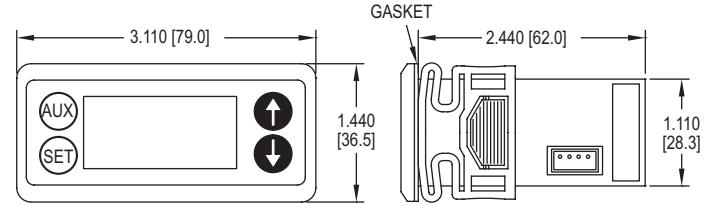


**SERIES TSXT**

# 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 programing multiple units
- Capacitive buttons offer clean panel face design

**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 1 below.

1 Digital Temperature Switch Probes and Accessories: See page 129 (Series TS-Probes)