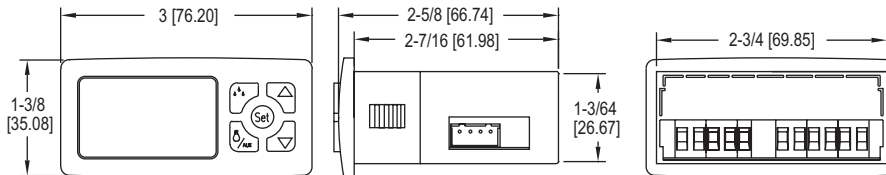


# DIGITAL REFRIGERATION TEMPERATURE SWITCH

Intelligent Defrost, HACCP Alarm Logging



Temperature Switches,  
Digital

The **SERIES TSX3** Digital Temperature Switch was designed to control the compressor, fan, and defrost in refrigeration applications.

### FEATURES/BENEFITS

- Field selectable °F or °C
- Real time clock
- HACCP alarm logging
- Configuration key
- 2 or 3 output models for complete refrigerator control
- 2 temperature sensor and 1 digital contact inputs

### APPLICATIONS

- Refrigerators

MODEL CHART				
Model	Supply Power	# of Outputs	Display Color	Price
TSX3-520122	115 VAC	2	Blue	\$70.00
TSX3-520222	230 VAC	2	Blue	70.00
TSX3-520322	12 VAC/VDC	2	Blue	70.00
TSX3-520422	24 VAC/VDC	2	Blue	70.00
TSX3-520132	115 VAC	3	Blue	80.00
TSX3-520232	230 VAC	3	Blue	80.00
TSX3-520332	12 VAC/VDC	3	Blue	80.00
TSX3-520432	24 VAC/VDC	3	Blue	80.00

### SPECIFICATIONS

**Probe Range:** PTC: -58 to 302°F (-50 to 150°C); NTC: -58 to 230°F (-50 to 110°C).  
**Input:** PTC (1000Ω @ 25°C); NTC (10K Ω @ 25°C); Digital input contact.  
**Output:** All models SPST NO relay resistive load 16 A, inductive load 5 A, 10 FLA, 60 LRA @ 240 VAC; dual output models also include 8 A resistive, 3 A inductive SPDT @ 240 VAC; three output models also include 8 A resistive SPST NO @ 240 VAC, 5 A resistive SPST NO @ 240 VAC.  
**Horsepower Rating:** 1HP @ 240 VAC.  
**Control Type:** On/off.

**Power Requirement:** 115 VAC, 230 VAC, 12 VAC/VDC, 24 VAC/DC (±10%) depending on model.  
**Power Consumption:** 3.6 VA (115/230/24 V), 1.5 VA (12 V).  
**Accuracy:** ±1% FS.  
**Display:** 3 digits plus sign.  
**Resolution:** 0.1°.  
**Memory Backup:** Non-volatile memory.  
**Ambient Temperature:** 32 to 131°F (0 to 55°C).  
**Weight:** 2.3 oz (65 g).  
**Front Panel Rating:** IP65 (NEMA 4X).  
**Agency Approvals:** CE, cURus.

### ACCESSORIES

See page reference 1 below.

1 Digital Temperature Switch Probes and Accessories: See page 138 (Series TS-Probes)