



Series
TSX3

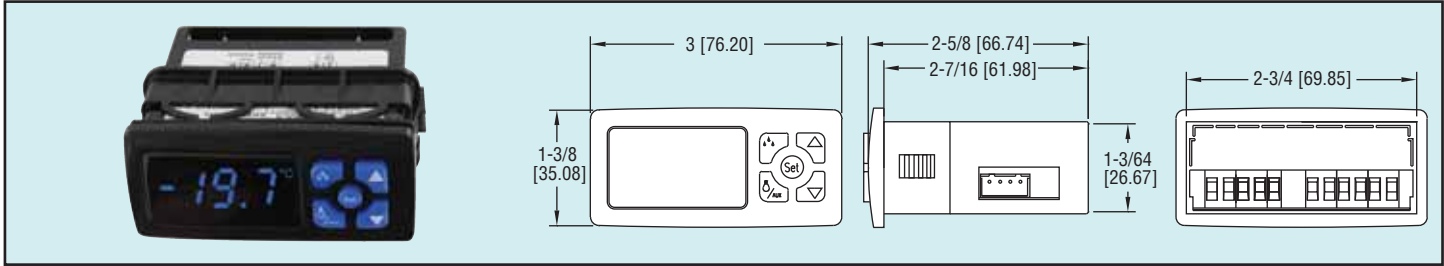
Digital Refrigeration Temperature Switch

Intelligent Defrost, HACCP Alarm Logging



TEMPERATURE

Temperature Switches,
Digital



The Series TSX3 Digital Temperature Switch was designed to control the compressor, fan, and defrost in refrigeration applications. This generation of controls has field selectable engineering units and temperature probe types in order to reduce the combination of parts that need to be stocked. A built-in real time clock is used for HACCP logging of temperature alarms caused by temperatures out of their set limits or loss of power. The Intelligent Defrost parameters manage the defrost cycle in order to save energy cost. The digital input can be used to remotely trigger a defrost cycle, monitor cooler door status, or act as an external alarm. For programming multiple units, the model TS2-K configuration key can be used to quickly download parameter settings.

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 (10KΩ @ 25° C)/digital input contact.

Output: All models SPST NO relay resistive load 16A, inductive load 5A, 10 FLA, 60 LRA @ 240 VAC; dual output models also include 8A resistive, 3A inductive SPDT @ 240 VAC; three output models also include 8A resistive SPST NO @ 240 VAC, 5A 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: 3.6VA (115/230/24 V), 1.5VA (12V).

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.

Agency Approvals: CE, UL.

ACCESSORIES

See page 280.

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
TSX3-500122	115 VAC	2	Red	65.00
TSX3-500222	230 VAC	2	Red	65.00
TSX3-500322	12 VAC/VDC	2	Red	65.00
TSX3-500422	24 VAC/VDC	2	Red	65.00
TSX3-500132	115 VAC	3	Red	75.00
TSX3-500232	230 VAC	3	Red	75.00
TSX3-500332	12 VAC/VDC	3	Red	75.00
TSX3-500432	24 VAC/VDC	3	Red	75.00