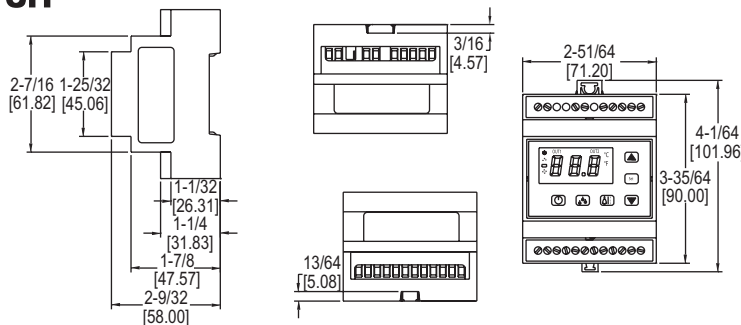


**SERIES TSDIN**



# DIN RAIL MOUNT TEMPERATURE SWITCH

HACCP Alarm Logging, Intelligent Defrost



The **Series TSDIN DIN Rail Mount Temperature Switch** is ideally designed to control compressor, defrost, and fan cycles in refrigeration applications. The digital input can be used to remotely trigger a defrost cycle, monitor cooler door status, or act as an external alarm. Three other probe inputs measure cabinet, defrost, and product temperature. Programming performed on the 6 button keypad or with the Model TS2-K configuration key.

**FEATURES/BENEFITS**

- 3 temperature probe inputs
- Real-time clock used for HACCP logging of temperature limit alarms or loss of power
- Intelligent Defrost parameters manage defrost cycle in order to save energy cost

**APPLICATIONS**

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

**MODEL CHART**

Model	Supply Power	# of Outputs	Display Color
TSDIN-013	115 VAC	1, 2, 3	Red
TSDIN-015	115 VAC	1, 2, 3, 4, 5	Red
TSDIN-023	230 VAC	1, 2, 3	Red
TSDIN-025	230 VAC	1, 2, 3, 4, 5	Red
TSDIN-033	12 VAC/VDC	1, 2, 3	Red
TSDIN-043	24 VAC/VDC	1, 2, 3	Red
TSDIN-213	115 VAC	1, 2, 3	Blue
TSDIN-215	115 VAC	1, 2, 3, 4, 5	Blue
TSDIN-223	230 VAC	1, 2, 3	Blue
TSDIN-225	230 VAC	1, 2, 3, 4, 5	Blue
TSDIN-233	12 VAC/VDC	1, 2, 3	Blue
TSDIN-243	24 VAC/VDC	1, 2, 3	Blue

**SPECIFICATIONS**

**Probe Range:** PTC: -58 to 302°F (-50 to 150°C); NTC: -58 to 230°F (-50 to 110°C).  
**Input:** PTC/NTC.  
**Output:** Output 1: SPST relay rated 16A @ 240 VAC resistive, 10 FLA, 60 LRA, 1HP @ 240 VAC inductive; Output 2: SPDT relay rated 8A @ 240 VAC resistive; Output 3: SPST relay rated 8A @ 240 VAC resistive; Output 4: SPDT relay rated 8A @ 240 VAC resistive; Output 5: SPST relay rated 16A @ 240 VAC resistive, 10 FLA, 60 LRA, 1HP @ 240 VAC inductive.  
**Control Type:** On/off.  
**Power Requirement:** 115 VAC, 230 VAC, 12 VAC/VDC, 24 VAC/VDC (±10% depending on model).  
**Power Consumption:** 6 VA.  
**Accuracy:** Better than 1% of full-scale.  
**Display:** 3-digits plus sign.  
**Resolution:** 0.1°.  
**Memory Backup:** Non-volatile memory.  
**Temperature Limits:** Operating: 32 to 131°F (0 to 55°C); Storage: -4 to 176°F (-20 to 80°C).  
**Weight:** 10.8 oz (306 g).  
**Agency Approvals:** CE, cURus.

**ACCESSORIES**

See page reference 1 below.

1 Digital Temperature Switch Probes and Accessories: See page 131 (Series TS-Probes)