The DIN Rail Mount SERIES SCD offers multiple PID loops in a compact size. Each SCD-1000 master controller can be combined with up to seven SCD-2000 slave controllers without any wires. Each controller has one universal input, one relay output and one user selected output.

FEATURES/BENEFITS
• Expandable from 1 to 8 process control loops
• Universal transmitter or temperature sensor inputs
• Expandable from 1 to 8 process control loops
• RS-485 Modbus® communication

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 | 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 inductive; 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°C.
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, RoHS, cULus.

ACCESSORIES
See page reference below.

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