DIN RAIL TEMPERATURE/PROCESS CONTROLLER

Universal Inputs, Up to 8 PID Loops, Modbus® Communications

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
• RS-485 Modbus® communication
• Dual loop or single loop/alarm output control

APPLICATIONS
• Intelligent Defrost parameters manage defrost cycle in order to save energy cost

SERIES SCD

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

SPECIFICATIONS

Inputs: Thermocouple, RTD, DC linear voltage, and DC currents,*
Supply Voltage: 24 VDC.
Power Consumption: 3 W.
Operating Temperature: 32 to 122°F (0 to 50°C)
Memory Backup: Non-volatile.

Control Output Ratings: Relay: 3 A @ 250 VAC resistive; Voltage pulse: 12 VDC, max. output current: 40 mA; Current: 4 to 20 mA output; Linear voltage: 0 to 10 VDC.
Weight: 2.7 oz (76.5 g)
Agency Approvals: CE, RoHS, cULus.

ACCESSORIES

See page reference ▼ below.

Dwyer Instruments, Inc.   |   www.dwyer-inst.com

*DC current input requires 250 Ω precision resistor.