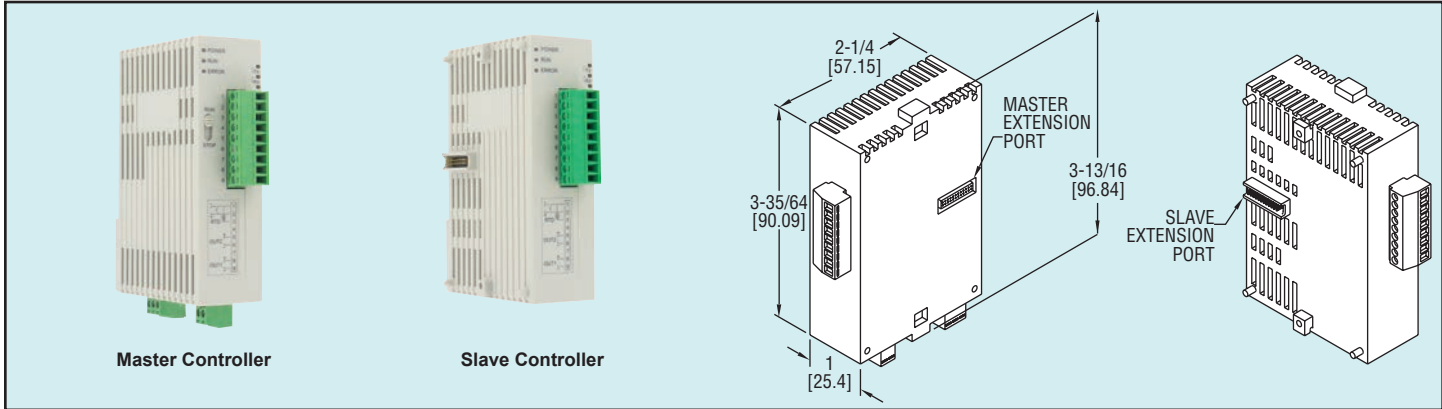




Series  
SCD

# DIN Rail Temperature/ Process Controller

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



Master Controller

Slave Controller

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. The outputs can be used for a dual loop to control heating and cooling or a single loop with an alarm. These controllers support up to 64 ramp/soak actions. The SCD series controllers are programmed using an user-friendly software program via the RS-485 Modbus® communications.

## 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: 3A @ 250 VAC resistive; Voltage pulse: 12 VDC, max. output current: 40 mA; Current: 4 to 20 mA output; Linear voltage: 0 to 10 VDC.

**Communication:** RS-485 Modbus® A-5-11/RTU communication protocol.

**Weight:** 2.7 oz (76.5 g).

**Agency Approvals:** CE, RoHS, cUL, UL.

## ACCESSORIES

**SCD-PS,** 100 to 240 VAC/VDC to 24 VDC Power Supply

**SCD-SW,** Configuration Software

**A-277,** 250 Ohm Precision Resistor

**MN-1,** Mini-Node™ USB/RS-485 converter

**A-600,** R/C snubber

Model	Controller	Output 1	Output 2
SCD-1023	Master	Voltage Pulse	Relay
SCD-1033	Master	Relay	Relay
SCD-1053	Master	Current	Relay
SCD-1063	Master	Linear Voltage	Relay
SCD-2023	Slave	Voltage Pulse	Relay
SCD-2033	Slave	Relay	Relay
SCD-2053	Slave	Current	Relay
SCD-2063	Slave	Linear Voltage	Relay

\*DC current input requires 250 Ohm Precision Resistor

