

DIN RAIL TEMPERATURE/PROCESS CONTROLLERS

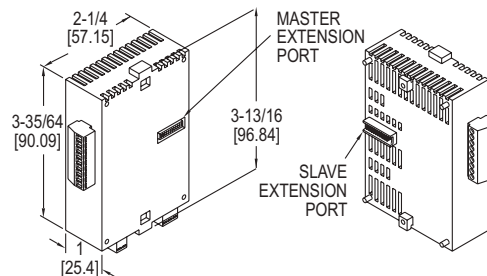
Universal Inputs, Up to 8 PID Loops, Modbus® Communications



Master controller



Slave controller



The **Series SCD DIN Rail Temperature/Process Controllers** offer 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.

BENEFITS/FEATURES

- 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

- Oven, boiler, or chiller control
- Hot plates/melt pots
- Packaging equipment
- Environmental chambers
- Medical equipment
- Food service equipment

MODEL CHART

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

Note: DC current input requires 250 Ω precision resistor.

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: 4-20 mA output; Linear voltage: 0-10 VDC.

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

Weight: 2.7 oz (76.5 g).

Agency Approvals: CE, cULus.

ACCESSORIES

Model	Description
A-277	250 Ω precision resistor
A-600	R/C snubber
MN-1	Mini-Node™ USB/RS-485 converter
SCD-PS	100-240 VAC/VDC to 24 VDC power supply
SCD-SW	Configuration software

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