

Dwyer

SERIES SCD



# 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

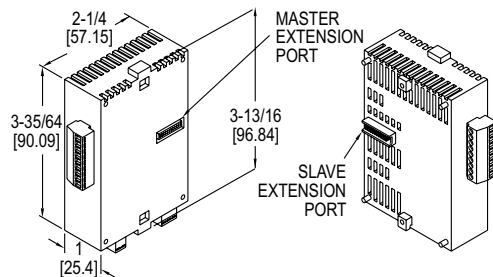
## APPLICATIONS

- 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).

**Compliance:** 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