

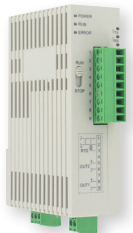
Dwyer

SERIES SCD



DIN RAIL TEMPERATURE/PROCESS CONTROLLER

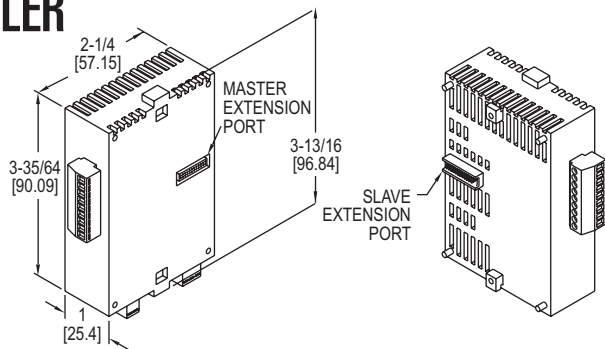
Universal Inputs, Up to 8 PID Loops, Modbus® Communications



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.

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

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

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.
Communication: RS-485 Modbus® A-5-11/RTU communication protocol.
Weight: 2.7 oz (76.5 g).
Agency Approvals: CE, cULus.

ACCESSORIES

Model	Description
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 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

*DC current input requires 250 Ω precision resistor