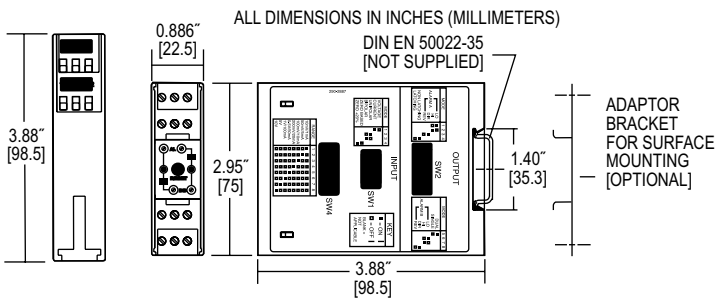
Dwyer

SERIES SC1

PROCESS/TEMPERATURE ALARM SWITCH MODULE

Two Form C (SPDT) Switches, Small Size, Mounts Easily on 35 mm DIN Rail



The **Series SC1 Process/Temperature Alarm Switch Module** is an on-off or limit switch with selectable process signal. Each unit has two form C (SPDT relays which can operate independently, or be logically connected to operate as a DPDT output.

BENEFITS/FEATURES
- Accepts current, voltage, thermocouple, or RTD inputs
- Mounts on standard 35 mm DIN rail
- Two color LED indicator to indicate the status of each output relay
- Programmable input type, scale range, output action, and output type

APPLICATIONS
- Stand alone CO monitoring in parking garage
- Industrial processing equipment

MODEL CHART

Model	Description	Power Supply
SC1090	4-20 mA, 10-50 mA, 0-20 mA, 0-10 V, -10-10 mV	85-265 VDC/VAC
SC1290	Thermocouple type J, K, R, S, T, E RTD Pt1000 4-20	85-265 VDC/VAC
SCL1090	mA, 10-50 mA, 0-20 mA, 0-10 V, -10 to 10 mV	12-24 VDC/VAC
SCL1290	Thermocouple type J, K, R, S, T, E	12-24 VDC/VAC

ACCESSORIES

Model	Description
A-360	Aluminum DIN rail 1 m

SPECIFICATIONS

Input: See table.
Power Supply: SC models: 85-265 VDC/VAC, 50 to 400 Hz; SCL models: 12-24 VDC/VAC, 50 to 400 Hz.
Isolation: 1500V rms between outputs, input, and power.
Set Points: Adjustable 0 to 100% of span.
Deadband: Adjustable 0.25% to 100% of span.
Drift: ±0.02%/°C typical ±0.05%/°C maximum.
Ambient Temperature Range: Operating: 32 to 131°F (0 to 55°C); Storage: -40 to 176°F (-40 to 80°C).
Excitation Current: Cu10 Ω = 5 mA; Plt 100 Ω, Ni 100 Ω, Ni 120 Ω = 500 µA; Plt 500 Ω, NiFe 1000 Ω = 100 µA; Plt 1000 Ω = 50 µA.
Lead Compensation Error: ≈ 0.02%/Ω.
Open Lead Protection: Upscale only.
Input Impedance: SC1090: Voltage input = 1 MΩ, current input = 10 Ω; SC1290: 3 MΩ.
Sensor Burnout Protection: Selectable.
Relay Output: Form C, SPDT, one per set point, 5A @ 250 VAC, resistive.
Latch Circuit Reset: Automatic at power up. Manual with reset switch on front of module.
Indicators: One dual color LED per set point. Red = relay on, green = relay off.
Wiring Terminals: Screw driven compression type.