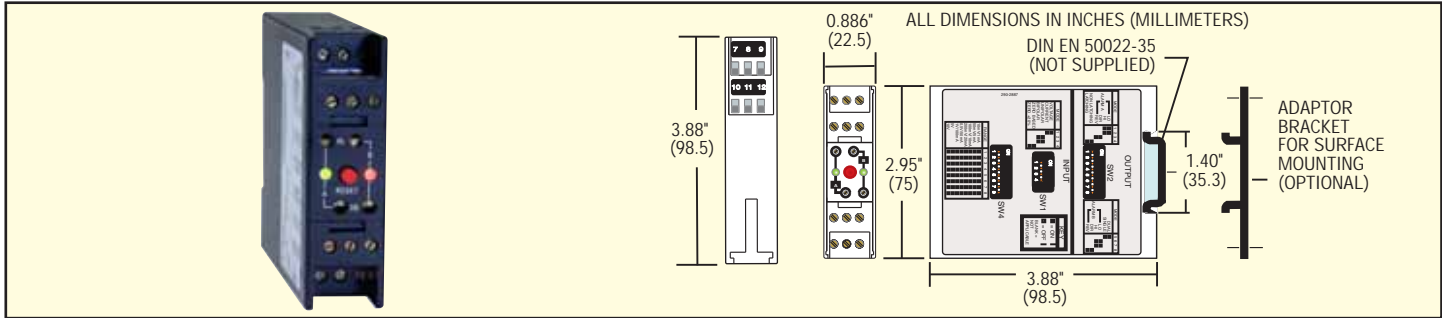




Series  
SC1090  
&  
SCL1090

# Process/Alarm Switch Module

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



The Series SC1090 Thermocouple Limit/Alarm Switch Modules are on-off or limit switches with selectable process signal. Input type, scale range, output action, and output type are all selectable by the user in the field. All selections are made through easily accessible switches without the need to open the product. Each unit has two form C (SPDT) relays which can operate independently, or be logically connected to operate as a DPDT output. A two color LED indicator indicates the status of each output relay.

These units mount easily on a standard 35 mm DIN rail. Low Voltage (SCL XXXX) units are also available.

Model	Power Supply
SC1090	85 to 2655 VDC/VAC
SCL1090*	12 to 24 VDC/VAC

\* Low Voltage Supply

## SPECIFICATIONS

**Input:** 4 to 20 mA, 10 to 50 mA, 0 to 20 mA, 0 to 10 V, -10 to 10 mV.

**Power Supply:** (SC units) 85 to 265 VDC/VAC 50 to 400 Hz (12-24 VDC, VAC 50-400 Hz for Low Voltage Option, SCL units).

**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:**  $\pm 0.02\%/^{\circ}\text{C}$  typical  $\pm 0.05\%/^{\circ}\text{C}$  maximum.

**Ambient Temperature Range:** (operating) 32 to 131°F (0 to 55°C). (storage) -40 to 176°F (-40 to 80°C).

**Input Impedance:** (1090) Voltage input = 1 megohms, Current input = 10 ohms.

**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.