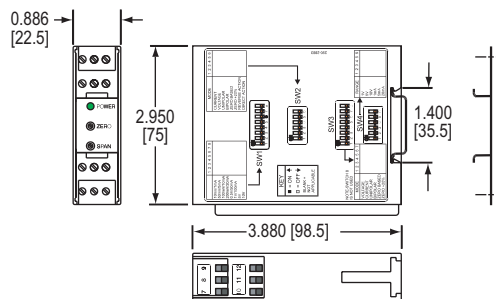


ISO VERTER® II SIGNAL CONDITIONING MODULES

Accepts Virtually All Standard Process Signals



4380



The **Series SC4 Iso Verter® II Signal Conditioning Modules** completely isolate the input from the output and from ground. The SC4380 Process Signal Converter/Isolator accepts virtually all standard process signals as input, and isolates and retransmits the signal in either the same units or any other standard process signal. The SC4151 RTD Transmitters and SC4130 Thermocouple Transmitters both offer a fixed scale range input, which is selected when ordered, and a linearized, isolated, field selectable 4 to 20 mA or 0 to 10 VDC output.

FEATURES/BENEFITS

- Up to 1500 VAC RMS electrical isolation
- Easily installed on industry standard 35 mm DIN rail
- Low voltage SCL units also available

APPLICATIONS

- Signal conditioners used in panels for isolation
- Converting signals for boilers and control systems

SPECIFICATIONS

Isolation: 1500 VAC RMS.

Linearity: 0.1% FS.

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

Power Supply: SC: 85 to 265 VDC/VAC 50 to 400 Hz; SCL: 12 to 24 VDC/VAC 50 to 400 Hz.

Output Loads: Current: 600 Ω max voltage: 500 Ω min (20 mA maximum).

Input Characteristics: SC4380: Voltage: 1 M Ω impedance; Current: 10 Ω ; SC4151: RTD Search current < 500 μA ; SC4130: 3 M Ω impedance.

Case Size: 0.866" W (22.5 mm) x 2.950" H (75.0 mm) x 3.880" D (98.5 mm).

Mounting: Mounts on industry standard 35 mm DIN Rail (DIN EN50022-35).

MODEL CHART

Model	Description
SC4130	Thermocouple transmitters
SCL4130	Low voltage thermocouple transmitters
SCL4151	Low voltage RTD transmitters
SC4380	Iso Verter® II process signal converter/isolators
SCL4380	Low voltage Iso Verter® II process signal converter/isolators
4380	Process signal converter/isolator

ACCESSORIES

Model	Description
A-360	Aluminum DIN rail 1 m
481-0159	8-pin to DIN rail mount socket

OPTIONS - SC4130

To order add suffix:	Description
A	J, -100 to 200°C
D	J, 0 to 500°F
F	J, 0 to 750°C
G	J, 0 to 1000°F
K	K, 0 to 500°F
M	K, 0 to 1000°F
P	K, 0 to 2000°F

OPTIONS - SCL4130

To order add suffix:	Description
D	J, 0 to 500°F
G	J, 0 to 1000°F
K	K, 0 to 500°F
P	K, 0 to 2000°F

OPTIONS - SCL4151

To order add suffix:	Description
B	DIN, 0 to 100°C
C	DIN, 0 to 150°C

OPERATING RANGES - SC4380 & SCL4380

Inputs		Outputs	
Current	Voltage	Current	Voltage
0 to 5 mA	0 to 100 mV	0 to 1 mA	0 to 1 V
0 to 10 mA	0 to 200 mV	0 to 5 mA	0 to 5 V
0 to 10 mA	0 to 500 mV	0 to 20 mA	0 to 10 V
0 to 20 mA	0 to 1 V	1 to 5 mA	1 to 5 V
0 to 50 mA	0 to 5 V	4 to 20 mA	2 to 10 V
0 to 100 mA	0 to 10 V		
1 to 5 mA	1 to 5 V		
4 to 20 mA	2 to 10 V		
10 to 50 mA			