ISO VERTER® II SIGNAL CONDITIONING MODULES
Accepts Virtually All Standard Process Signals

The Series SC4 Iso Vertor® 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

The SC4380 Iso Vertor® II Signal Conditioning Module

SPECIFICATIONS
Isolation: 1500 VAC RMS.
Linearity: 0.1% FS.
Drift: ±0.02%/°C typical, ±0.05%/°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 MΩ impedance; Current: 10 Ω;
SC4151: RTD Search current < 500 µA; SC4130: 3 MΩ 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).

OPTIONS - SC4130
To order add suffix:
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:
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:
B  DIN, 0 to 100°C
C  DIN, 0 to 150°C

MODEL CHART

Operating Ranges - SC4380 & SCL4380

ACCESSORIES

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

SERIES SC4
PROCESS CONTROL
Signal Conditioners/Isolating Transmitters

386
DWYER INSTRUMENTS, INC.  |  www.dwyer-inst.com