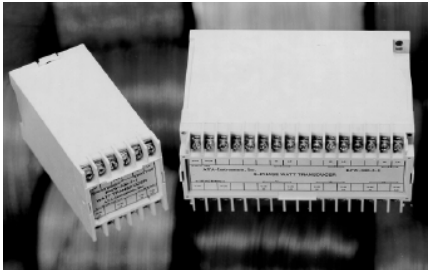


DC Signal Conditioners

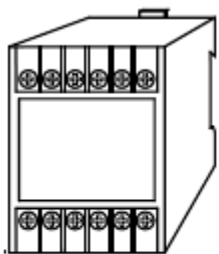
**SC-Series and SCN-Series
in DIN-Rail Enclosures - 0.5% Accuracy**



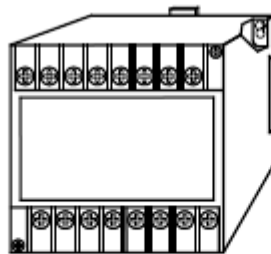
The SC-Series DC Signal Conditioners are precision amplifiers designed for use in signal acquisition systems and process control applications with accuracies of 0.5%. They are packaged in enclosures designed for permanent installation on DIN-rail or on flat surfaces. Single-channel and triple channel models are available.

The SC modules provide input-output isolation and perform conversions of DC Voltage-to-Pulse, DC Current-to-Pulse, DC Voltage-to-Current, DC Current-to-Voltage, DC Voltage-to-Voltage and DC Current-to-Current. The SCN Modules are the economical non-isolated versions of their corresponding SC Models.

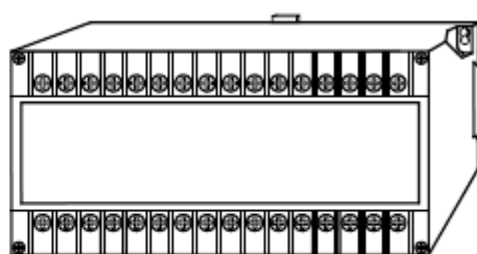
The input voltage options include ranges as low as 0-0 Millivolts DC and as high as 0-300 Volts DC. The input current options include ranges that start at 0-1, 0-10, 0-20, 4-20 Milliampers DC and up to 0-20 Amperes DC without an external current sensor. The frequency range is from DC to 10,000 Hz. The output options are 0-5 Pulses-per-Second, 0-10,000 Pulses-per-Hour, 0-10,000 Closures-per-Hour (Relay Output), 0-1, 0-5, 0-10 Volts DC and 0-1, 0-20, 4-20 Milliampers DC. The standard signal conditioners are powered by 120 VAC 50/60 Hz. Models for use with 240 VAC 50/60 Hz or 12, 24, 48 and 100 Volts DC are optional. Custom modules with multiple functions in one enclosure or with special input or output ranges are also available.



Size B
2.17" x 2.9" x 4.4"



Size C
2.95" x 2.9" x 4.4"



Size E
5.9" x 2.9" x 4.4"

DC Signal Conditioners

0.5% Accuracy

Specifications

INPUT SIGNAL OPTIONS: 0-0.05, 0-0.1, 0-1, 0-5, 0-10, 0-100 Volts DC
 0-1, 0-10, 0-20, 4-20 mADC
 0-1, 0-2, 0-5, 0-10, 0-20 ADC

OUTPUT OPTIONS: 1, 5 or 10 Volt DC
 1, 10, 20 or 4-20 mADC
 0-5 Volt Pulses

ACCURACY CLASS: 0.5% of Full Scale

OUTPUT RIPPLE: 1% Peak-to-Peak Maximum

ISOLATION TEST: 1 kV - 1 Minute

TEMPERATURE RANGE: 0 to +50 Deg. C

STORAGE TEMPERATURE: -20 to +80 Deg. C

POWER: 120 VAC 50-60 Hz
 (120 VAC, 24, 48, 120 VDC OPTIONAL)

Specifications subject to change without notification

SC-Series with Isolation

SCN-Series without Isolation

Applications and Features

DC CURRENT SENSORS ARE INCORPORATED FOR CURRENTS FROM 1 to 20 AMPERES DC.

VOLTAGE-TO-CURRENT OR TO-PULSE.

CURRENT-TO-VOLTAGE OR TO-PULSE.

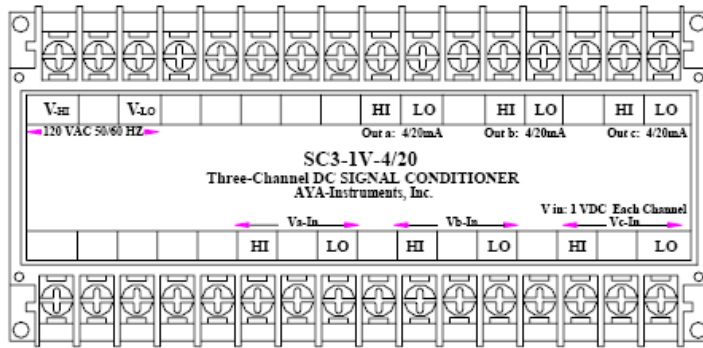
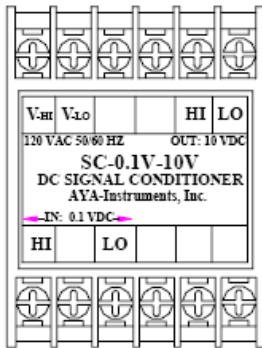
VOLTAGE-TO-VOLTAGE.

CURRENT-TO-CURRENT.

SPECIAL INPUT and OUTPUT RANGES AVAILABLE.

ENCLOSURE TYPE: DIN RAIL TYPE 46277

Single-Channel: 2.17" x 2.9" x 4.4"
Single-Channel with Relay 2.95" x 2.9" x 4.4"
Triple Channel: 5.95" x 2.9" x 4.4"



* FOR MODELS WITH RELAY CONTACTS. ADD "R" TO THE MODEL NUMBER

SELECTION				CHART			
Single-Channel Models: SC-				Triple-Channel Models: SC3-			
INPUT	1 VDC	5 VDC	10 VDC	1 mADC	20 mADC	4-20 mADC	5 PPS
0-50 mVDC	0.05V-1V	0.05V-5V	0.05V-10V	0.05V-1M	0.05V-20M	0.05V-4/20M	0.05V-5P*
0-100 mVDC	0.1V-1V	0.1V-5V	0.1V-10V	0.1V-1M	0.1V-20M	0.1V-4/20M	0.1V-5P*
0-1 VDC	1V-1V	1V-5V	1V-10V	1V-1M	1V-20M	1V-4/20M	1V-5P*
0-5 VDC	5V-1V	5V-5V	5V-10V	5V-1M	5V-20M	5V-4/20M	5V-5P*
0-10 VDC	10V-1V	10V-5V	10V-10V	10V-1M	10V-20M	10V-4/20M	10V-5P*
0-100 VDC	100V-1V	100V-5V	100V-10V	100V-1M	100V-20M	100V-4/20M	100V-5P*
0-300 VDC	300V-1V	300V-5V	300V-10V	300V-1M	300V-20M	300V-4/20M	300V-5P*
0-1 mA	1M-1V	1M-5V	1M-10V	1M-1M	1M-20M	1M-4/20M	1MV-5P*
0-20 mA	20M-1V	20M-5V	20M-10V	20M-1M	20M-20M	20M-4/20M	20M-5P*
4-20 mA	4/20M-1V	4/20M-5V	4/20M-10V	4/20M-1M	4/20M-20M	4/20M-4/20M	4/20M-5P*
0-1 ADC	1A-1V	1A-5V	1A-10V	1A-1M	1A-20M	1A-4/20M	1A-5P*
0-5 ADC	5A-1V	5A-5V	5A-10V	5A-1M	5A-20M	5A-4/20M	5A-5P*
0-10 ADC	10A-1V	10A-5V	1A-10V	10A-1M	10A-20M	10A-4/20M	10A-5P*
0-20 ADC	20A-1V	20A-5V	20A-10V	20A-1M	20A-20M	25A-4/20M	20A-5P*