

Model 4015 SDI-12 Input to Analog Output Converter

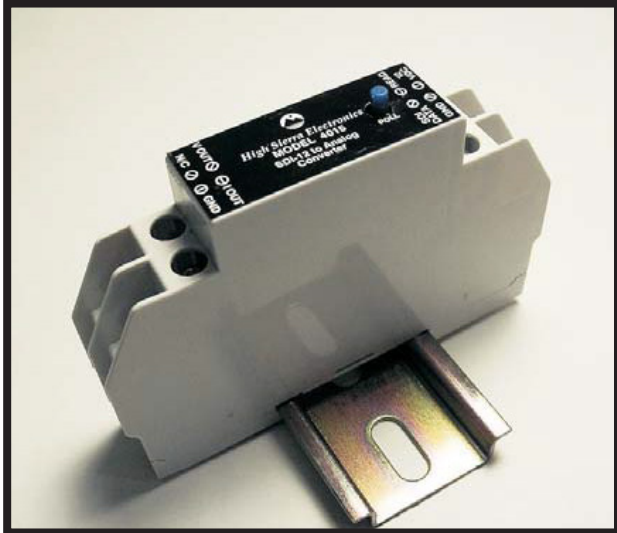
- Push-Button Forces an Immediate Read
- Snaps onto Standard DIN Rail
- Compatible with SDI-12
- 0 to 5 VDC Output and User Selectable Current Output



PHONE: (800) 275-2080

HIGH SIERRA ELECTRONICS, INC.

FAX: (530) 273-2089



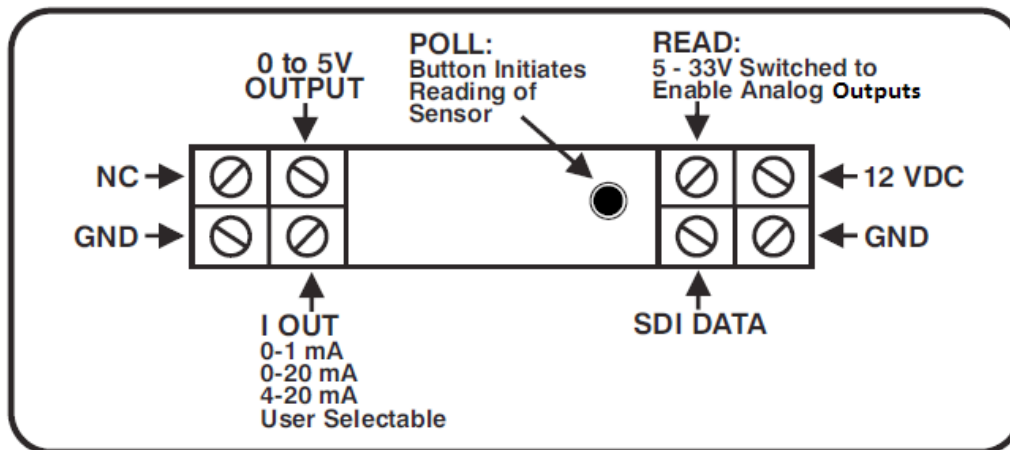
FEATURES:

- (2) Outputs: 0 to 5 VDC output and user selectable current output of 0 to 1 mA, 0 to 20 mA, or 4 to 20 mA.
- Model 4015 can either:
 - Act as the SDI-12 master polling the sensor on a timed basis.
 - Poll the sensor in response to a logic high on the "Read" terminal.
 - Listen while another device polls the sensor.
- The Output Converter is proportional to the "value" of the sensor response.

DESCRIPTION:

The SDI-12 to Analog Converter - Model 4015-01 signal conditioning module converts SDI-12 data to an analog output. The SDI-12 to Analog Converter does this for a single SDI-12 address and parameter (i.e., on a Pressure Transducer with a temperature sensor, the output would be for pressure only). All user programming is done on the SDI-12 bus.

The SDI-12 to Analog Converters are housed in a small, light-weight DIN rail package. All SDI-12 to Analog Converter connections are easily accessible screw terminals.



02-4015-00(B)

Environmental Monitoring Solutions

WEB SITE: www.highsierraelectronics.com E-MAIL: sales@highsierraelectronics.com

Model 4015 SDI-12 Input to Analog Output Converter

SPECIFICATIONS:

Input Compatibility	SDI-12, (an input range is specified at time of order)
Output Ranges	0 to 5 V and 0 to 1 mA, 0 to 20mA or 4 to 20 mA (user selectable)
Output Resolution	12 bits (1 part in 4095 counts)
Input Scan Rate	User Programmable
Max. Wire Size	12 AWG
Terminals	Zinc plated, yellow chromate steel
Operating Voltage	10 to 33 VDC
Current Draw	< 2 mA with READ input low < 4 mA plus the output current with READ high < 500 uA during sleep
Mounting	3 in (7.62 cm) DIN rail
Environmental Protection	IP20 (finger protected)
Operating Temperature	-22° to 140° F (-30° to 60° C)
Dimensions	3.5 x 2.3 x 0.69 in (8.9 x 5.8 x 1.8 cm)
Weight	6 oz (0.17 kg)
Shipping Weight	2 lbs (0.91 kg)

ORDERING GUIDE:

Model 4015-01	Output Converter; Included SDI-12 to Analog Output, Programmable Firmware, and 3 in (7.6 cm) DIN rail. Model 4021-01. <i>Program Cable sold separately</i>
---------------	---

Note: Please Specify Input Range and Output Type

OPTIONS/SPARE PARTS:

Model 4021-01	Program Interface Cable; SDI-12/RS-232 w/Programming Software.
Model 5101-00	Signal Cable; 3-conductor 24 AWG
Model 5102-00	Signal Cable; 5-conductor 24 AWG

See www.highsierraelectronics.com for more specification and ordering information.

02-4015-00(B)

PHONE: (800) 275-2080

HIGH SIERRA ELECTRONICS, INC.

FAX: (530) 273-2089