

Model 4046 SDI-12 Sensor Interface

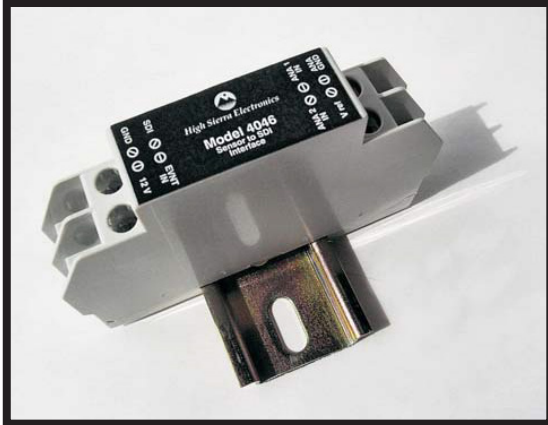
- User Defined Slopes and Offset
- GOES Compatible
- 1 Tipping Bucket Input
- Snaps Onto Standard DIN Rail
- 2 Analog Inputs w/12 Bit Resolution



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HIGH SIERRA ELECTRONICS, INC.

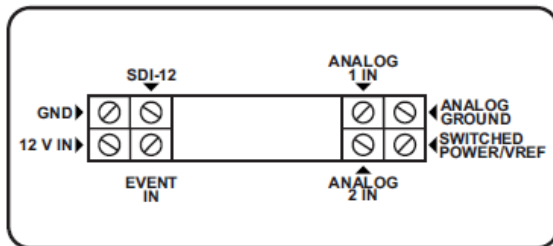
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DESCRIPTION:

Model 4046 uses the standard SDI-12 version 1.1 command set. Sensor warm-up time, user defined slope and offsets may be set using "extended" commands. This interface may be used with any SDI-12 data logger. Since most high rate GOES radios incorporate an SDI-12 sensor interface, a complete GOES system can be made using the Model 4046 Sensor Interface with a GOES radio. There are no adjustments which need to be made to the Model 4046 once a system is configured.

The Model 4046 SDI-12 Sensor Interface is contained within an attractive, small, light-weight DIN rail package. All connections are easily accessible screw terminals. The Model 4046 should be mounted inside a weatherproof environment.



Via an internal jumper, the interface provides switched power (12 VDC, or a precision 5 VDC), to the external sensors.

SPECIFICATIONS:

Inputs	(2) analog (0 to 5 V) and (1) tipping bucket
Analog Accuracy	+/- 1 lsb (~ 1.2 mV)
Analog Resolution	12 bit
Communication Interface	SDI-12 (v1.1 compatible)
Internal Temperature Sensor	AD22100
Temperature Scale	Selectable °F or °C
Operating Voltage	10.5 to 28 V
Current Draw	Standby < 200 µA
Installation.	DIN rail mounting (35 mm)
Cable Connections	Screw terminal
Maximum Wire Size	12 AWG
Operating Temperature	-40° to 113° F (-40° to 45° C)
Dimensions	3.5 x 2.1 x 0.7 in (8.9 x 5.3 x 1.8 cm)
Weight	1.9 oz (53.9 g)

ORDERING GUIDE:

Model 4046-01.	SDI-12 Sensor Interface; Includes Interface mounting on a 3 in (7.62 cm) DIN-rail.
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Environmental Monitoring Solutions

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