Model SIM-525T Sensor Interface Module

Power Supply for use with 12-30V dc Sensors

For the latest technical information about this product, including specifications, dimensions, and wiring, see www.BannerEngineering.com

- Simple DIN-rail mount
- Indicators for Power ON and Output Active
- Includes sensor TEACH push button
- Additional terminals provide in-situ data collection for some sensors

Overview

The SIM-525T is a passive DIN-rail-mountable module that allows additional status indicators to be located in the user’s control cabinet. It also provides a Remote TEACH push button for interfacing to any Banner 5-wire Expert product.

It is designed to provide remote indication and Teach capability for Banner M-GAGE™ and T-GAGE® sensors, when their mounting does not allow easy access to the sensor (as when mounted underground or sealed in pavement, for example).

The module also features two separate “tie points” to allow for a sensor signal capture when using the Banner DPB1 Programming Box and sensor-specific monitor software. The tie points also can be used as a Teach input by the user’s PLC.

Specifications

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<tr>
<th>Supply Voltage</th>
<th>12 to 30V dc</th>
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<td>Output Rating</td>
<td>100 mA</td>
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Environmental Rating

- IP 00

Agency Approvals

Due to the device’s passive nature, no approvals are planned

Dimensions

- 36 mm (1.4”)
- 43 mm (1.7”)
- 86 mm (3.4”)

Yellow Output LEDs

- TEACH Push Button
- Green Power LED

Push to reveal wire chamber

P/N 123240 Rev. A

5/23/2012
Typical Hookup

Optional functions; see reverse

–    +10-30V dc

Sensor Connections

Optional functions

10-30V dc

Additional Hookups

Typical Interface - M-GAGE in Pavement with PCL I/O

Typical Interface – With Banner Expert Sensor to provide Remote Teach Button*

Typical Interface - To Timer or Relay

Optional Function – Data Capture; Monitor Software Interface with M-GAGE In-Situ

*Teach mode may also be activated by PLC by closing path between Grey and Blue wires
Advanced Hookup

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