iVu Series Sensor Interface Module

DC-Powered Interface for iVu Series Sensors

Overview

The IVUSIM Sensor Interface Module is a passive DIN-rail-mount or wall-mount module. It enables remote external trigger and teach capability, and provides remote indication of sensor status for Banner iVu Series Sensors.

Features



- Low-cost interface between user's hardware and iVu Series sensors
- 13-pin terminal strip for cordset with flying leads
- Option for current sinking (NPN) or current sourcing (PNP) output
- LED indicators for sensor status and active outputs
- Integral External Trigger and Remote Teach push buttons
- Easy-to-adjust 45° screw terminals for electrical wiring
- Built-in RS-232 serial port connector (DB-9 Female)
- Selectable pull-up or pull-down inputs

Models

Model	RS-232 Serial Port Connector	Connections
IVUSIM	Female DB-9	Two 13-pin Terminals

Installation

For mounting to a flat surface, unscrew one end cap, slide the DIN clips off of the housing, and replace the end cap. Use the screw holes in the end caps for mounting to a flat surface.

Specifications

Input Supply Voltage

10 - 30V dc (See iVu TG and iVu BCR specifications for sensor data)

Adjustments

External Trigger push button; Remote teach push button

Construction

PCB circuit board; plastic housing, end caps, and DIN rail mounting hardware

Weight

Approximately 135 grams (0.3 lb.)

Input Supply Voltage

10 - 30V dc (See iVu TG and iVu BCR specifications for sensor data)

Environmental Rating

IEC IP00; NEMA 1

Connections

Terminal Strip: Accepts 12 to 24 gauge wire

RS-232: DB-9 female

iVu Sensor (not included)

Operating Conditions

Temperature: 0° to +50° C (+32° to +122° F)

Max. Relative Humidity:90% (non-condensing)

P/N 151678 rev. A

3/2010

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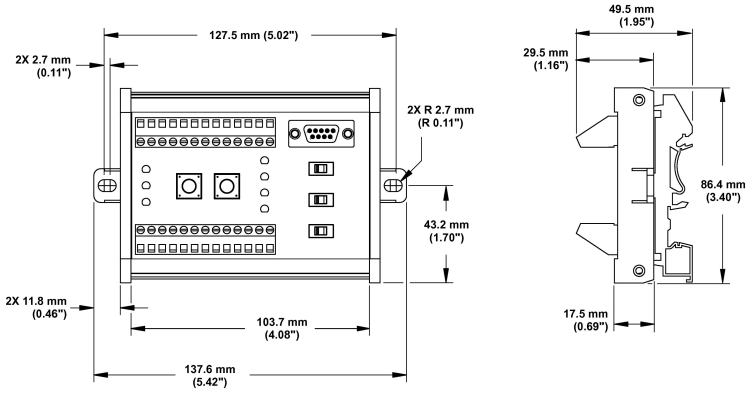
Indicator LEDs	
NPN	**PNP**
Power **Green:** Power ON **Red:** Wrong polarity **External Trigger** **Green:** Active **Remote TEACH** **Green:** Active **I/O 1 through I/O 4** **Green:** Conducting	**Power** **Green:** Power ON **Red:** Wrong polarity **External Trigger** **Red:** Active **Remote TEACH** **Red:** Active **I/O 1 through I/O 4** **Red:** Conducting

Dimensions



Terminal Block Wiring Table

Color	Description
Yellow	Strobe
Gray	Remote TEACH
Orange	Spare
Pink	External Trigger
Black	RS-232 GND
Red	Ready
White	Output 1
Light Blue	RS-232 TX
VIolet	RS-232 RX
Green	Output 2
Blue	Common (Signal Ground)
Brown	10 - 30V dc
Shield	Drain

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