

Model PPLIM Light Interface Module

DC-Powered Interface for PresencePLUS[®] Lights



Features

- Low-cost strobe interface between user's hardware and PresencePLUS lights
- Separate Strobe Signal inputs:
 - 5V TTL signal
 - 8–30V dc signal (switch-selectable current sinking/NPN or current sourcing/PNP)
- Two Light Strobe outputs:
 - 5V “Active Low” (non-inverting)
 - 5V “Active High” (inverting)
- LED indicators for Power and Strobe Signal inputs
- Easy-to-adjust 45° screw terminals for electrical wiring
- Simple 35 mm DIN-rail-mount or wall-mount configuration

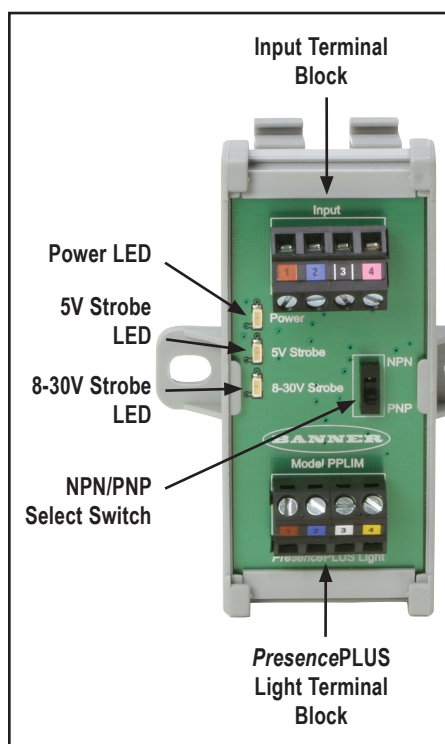


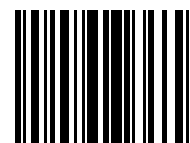
Figure 1. Features

Overview

The model PPLIM PresencePLUS Light Interface Module is a passive DIN-rail-mount or wall-mount module. It enables use of Banner PresencePLUS LED lights with strobe signal sources other than Banner machine vision sensors, for example, high-end vision systems, PLCs, photoelectric sensors, or proximity sensors.

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.



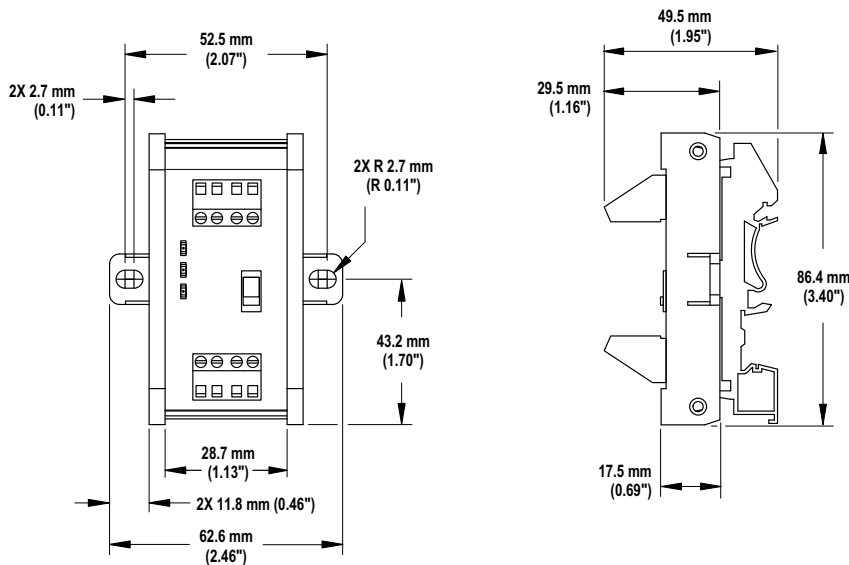
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Specifications

Input Supply Voltage	24V dc $\pm 10\%$
Strobe Output	Non-Inverting "Active Low": 5V @ 10 mA max. Inverting "Active High": 5V @ 10 mA max.
Adjustments	NPN / PNP Select switch is dedicated to "8-30V Strobe" input <i>only</i> . When using "5V Strobe" input, put NPN / PNP Select switch in PNP position.
Indicator LEDs	Power Green: Power ON 5V Strobe Green: Active 8-30V Strobe Green: Active
Construction	PCB circuit board; PVC housing, polyamide end caps and DIN rail mounting hardware
Environmental Rating	IEC IP00: NEMA 1
Connections	Terminal Strip: Accepts 12 to 24 gauge wire
Operating Conditions	Temperature: 0° to +50° C (+32° to +122° F) Max. Relative Humidity: 90% (non-condensing)
Weight	Approximately 45 grams (0.1 lb.)

Dimensions



Terminal Block Wiring Tables

"Input" Terminal Block

Pin	Color	Description
1	Brown	24V dc
2	Blue	0V dc (Common)
3	Black	8-30V Strobe
4	Pink	5V Strobe

"PresencePLUS Light" Terminal Block

Pin	Color	Description
1	Brown	24V dc
2	Blue	0V dc (Common)
3	White	5V Active low (non-inverting)
4	Yellow	5V Active high (inverting)



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