

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

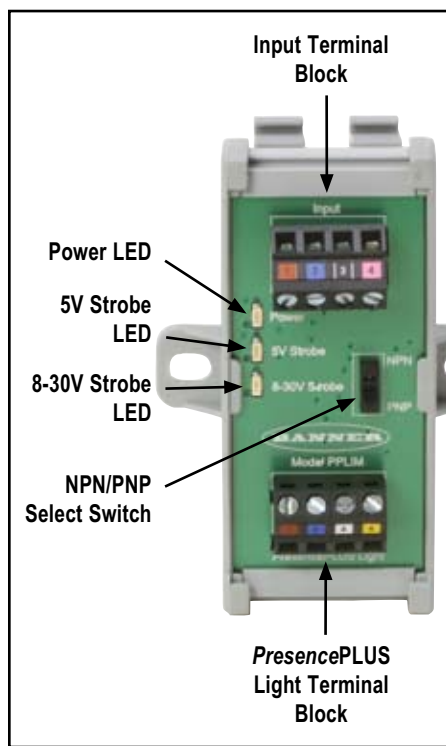


Figure 1. Features

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

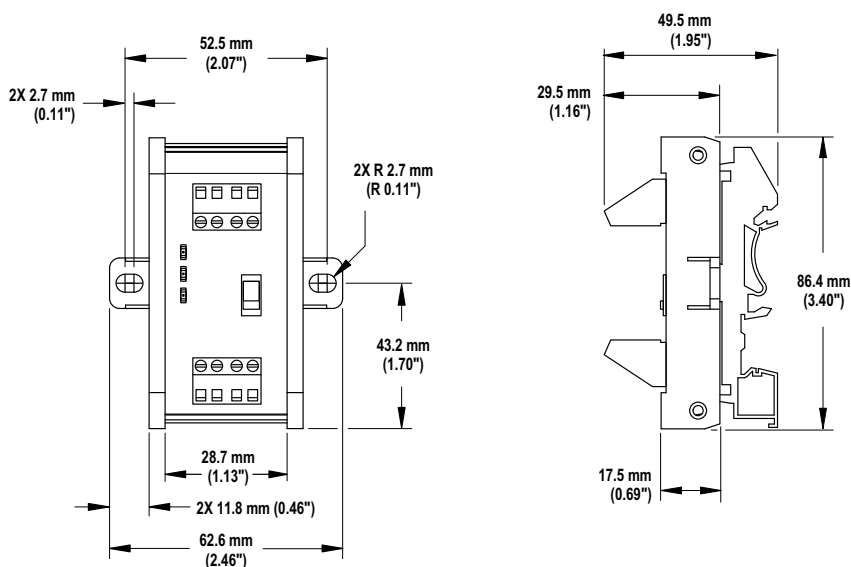
For mounting to a flat surface, unscrew one end cap, slide the DIN clips off of the housing, and replace the end cap. Use the screw-holes in the end caps for mounting to a flat surface.

Models PPLIM.. PresencePLUS Light Interface Module

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)



WARRANTY: Banner Engineering Corp. warrants its products to be free from defects for one year. Banner Engineering Corp. will repair or replace, free of charge, any product of its manufacture found to be defective at the time it is returned to the factory during the warranty period. This warranty does not cover damage or liability for the improper application of Banner products. This warranty is in lieu of any other warranty either expressed or implied.