

THRUBEAMS

OEM Pair

L11/P11 Series

Features:

- Rated Separation: 2 in.
- Beam Diameter: .10 in.
- Smallest Detectable Object: .04 in.
- Plastic lens
- Immune to visible ambient light
- Least expensive thrubeam pair

Description:

The L11/P11 Series is offered for industrial applications where cost is a critical factor and metal units are not considered necessary. The thrubeam pair utilizes rugged plastic bodies suitable for clamp mounting. An infrared filter blocks visible

Typical Applications:

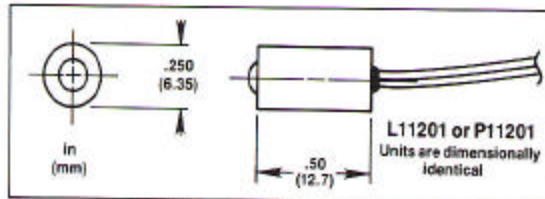
- Pharmaceutical tablet detection
- Edge control

Specifications: (at 25°C)

LIGHT SOURCE—LED

Input	40 mA max. with resultant voltage drop of 1.1 to 1.7 VDC; derate at 1 mA per degree above 25°C ambient
Modulated Input	80 mA max., 50% duty cycle at 1 kHz min.
Reverse Voltage	2 V max.
Spectral Emission	940 nm peak
BODY	Black plastic with plastic lens
TEMPERATURE	Operating: 0° to 50°C Storage: -40° to 50°C
LEADS	2 cond. 26 AWG., PVC covered cable, 6 ft. long, Type C

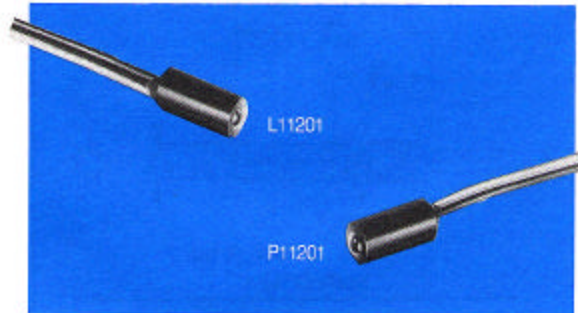
Dimensions:



Compatibility With Controls:

The L11/P11 Series is compatible with all Skan-A-Matic controls. For high speed operation use the T41300 High Speed Amplifier.

The light source utilizes a 40 mA Light Emitting Diode. A 100 ohm, 1/4 W current limiting resistor is supplied and must be used with Skan-A-Matic controls furnishing 5 VDC for light source power. With modulating controls, such as our R42/T42 and R43/T43, a 27 ohm, 1/4 W current limiting resistor must be used.



ambient light to the sensor. A plastic lens collimates the beam and protects the unit.

- Counting
- Small part detection

PHOTODETECTOR

Operating Voltage	30 VDC max.
Response Time	See Response Time Chart under <i>Technical Information</i>
Spectral Response	880 nm peak; filtered to respond to less than 5% at 750 nm and less than 0.1% at 700 nm.

BODY

Black plastic with plastic lens

TEMPERATURE

Operating: 0° to 50°C
Storage: -40° to 50°C

LEADS

2 cond. 26 AWG., PVC covered cable 6 ft. long, Type C

Model Selection Guide:

Part #	Description
L11201	Light Source
P11201	Photodetector

Variations:

LEADS

Extra lead lengths available. Use Type C for both L11 and P11 — see pg. 129.

Wiring Diagram:

