

# Arc-Flash Detection

## PGA-LS10-01B

### Point Sensor



### Description

The PGA-LS10-01B series arc-detection point sensors are capable of detecting light from every angle in front of them due to the shape of the cylindrical lens on the front of the sensor. These sensors are intended for use in combination with AF0025 Arc-Flash relay and positioned in tight space, to give them direct line of sight to all powered connections where an arc could develop. The detection radius is dependent on the arc power. The PGA-LS10-01B has a detection area of a 2 m (7 ft) half-sphere for arcs of 3 kA or more. These point sensors and arc-flash relays provide superior protection against the damaging effects of arc flashes and improve the lifespan of electrical equipment as well as the protection of personnel.

### Features & Benefits

FEATURES	BENEFITS
<b>Direct line of sight</b>	Improves detection capability
<b>Cylindrical lens shape</b>	Enhances arc detection

### Applications

- For use with Littelfuse arc-flash relays AF0025 only

### Specifications

<b>Type</b>	Point sensor
<b>Detection Zone</b>	180 x 360° (half sphere)
<b>Output</b>	0–35 mA
<b>Electrical Cable</b>	Shielded 3-wire 20 AWG (0.5mm <sup>2</sup> ) electrical cable
<b>Factory Cable Length</b>	1 m (3.3 ft)
<b>Max. Elec. Cable Length</b>	50 m (164 ft)
<b>Sensor Check</b>	Built-in LED for visual feedback
<b>Dimensions</b>	32 x 52 x 24 mm (1.3 x 2.0 x 0.9 in)
<b>Enclosure</b>	IP 30

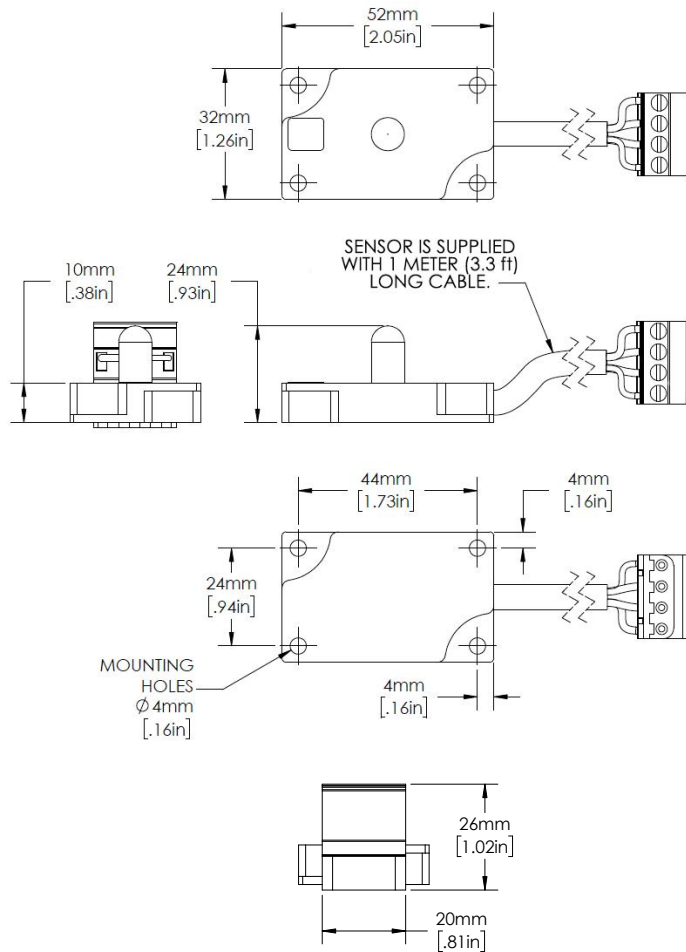
### Ordering Information

ORDERING NUMBER	DESCRIPTION
PGA-LS10-01B	Point sensor with 1 m of cable length and connector block

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### Dimensions Millimeters (inches)



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