

# Arc-Flash Detection

## PGA-LS10 Series

### Point Sensor



### Description

The PGA-LS10 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 installed and positioned in switchboards 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 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

### 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>	10 m (33 ft) electrical cable
<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

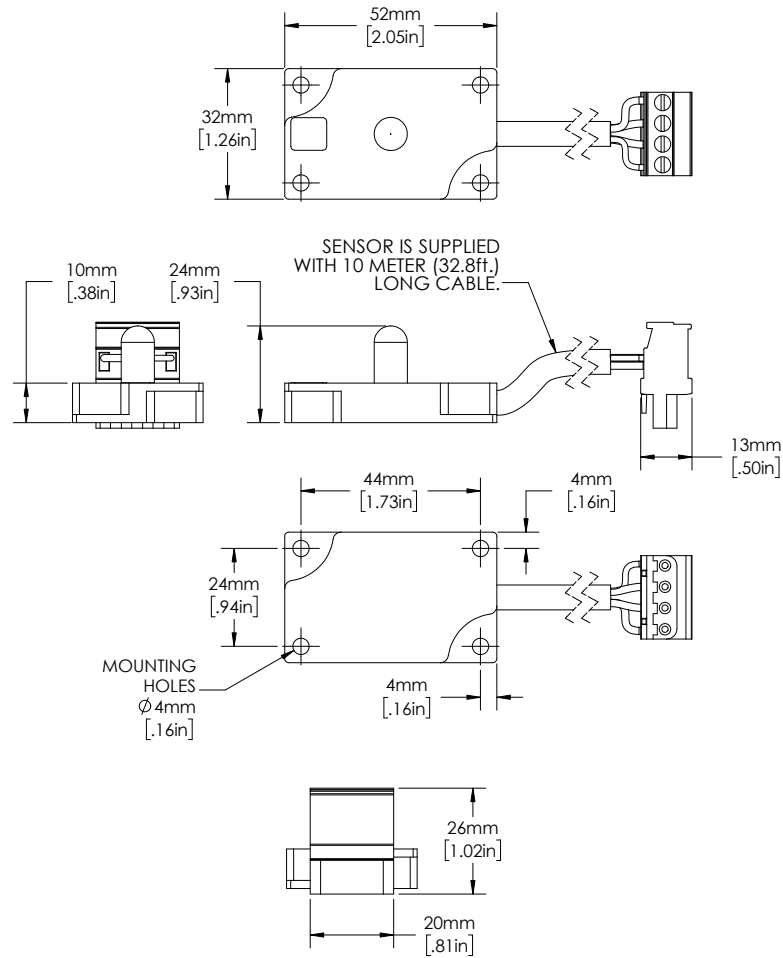
### Ordering Information

ORDERING NUMBER	DESCRIPTION
PGA-LS10	Point sensor with 10 m of cable length and connector block

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### Dimensions Millimeters (inches)



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