

Photosensitive sensor

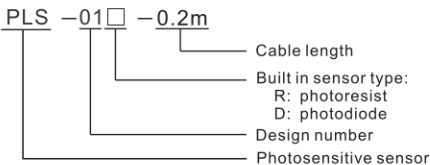
Applications

-It can be used as the supporting sensor of twilight switch.

Feature

- Small size design, can be installed on the panel.
- It has two models: photoresist and photodiode.
- The model with built-in photodiode has a wider brightness detection range. it needs to be matched with the optical switch.

Model and connotation

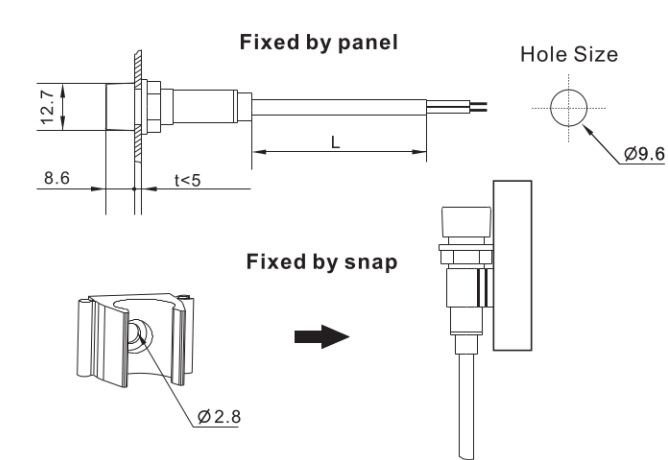


Technical parameters

	PLS-01R
Built in sensor type	Photoresist
Maximum voltage	150VDC
Spectral peak	540nm
Bright resistance(10 Lux)	100kΩ-200kΩ
Dark resistance	15mΩ
100λ10	0.95
Response time	Rise:20ms Descent:30ms
Maximum power consumption	100mW
Protection degree	IP55 for front panel/IP50 terminals
Operating temperature	-20°C to +60°C (-4°F to 140°F)
Storage temperature	-35°C to +75°C (-31°F to 167°F)

	PLS-01D
Built in sensor type	Photodiode
Spectral application range	320nm-1100nm
Operating voltage range	2.2-5VDC
Light current(10 Lux)	≥4uA(VDD=5V,R=1kΩ)
Dark current(0 Lux)	—
Maximum power consumption	100mW
Protection degree	IP55 for front panel/IP50 terminals
Operating temperature	-20°C to +60°C (-4°F to 140°F)
Storage temperature	-35°C to +75°C (-31°F to 167°F)

Dimensions(mm)



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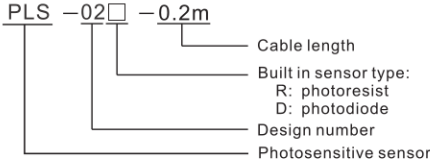
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Model and connotation



Technical parameters

	PLS-02R
Built in sensor type	Photoresist
Maximum voltage	150VDC
Spectral peak	540nm
Bright resistance(10 Lux)	100kΩ-200kΩ
Dark resistance	15mΩ
100λ10	0.95
Response time	Rise:20ms Descent:30ms
Maximum power consumption	100mW
Protection degree	IP55
Operating temperature	-20°C to +60°C (-4°F to 140°F)
Storage temperature	-35°C to +75°C (-31°F to 167°F)

	PLS-02D
Built in sensor type	Photodiode
Spectral application range	320nm-1100nm
Operating voltage range	2.2-5VDC
Light current(10 Lux)	≥4uA(VDD=5V,R=1kΩ)
Dark current(0 Lux)	—
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