

Techsense Bangladesh Ltd

Photoelectric sensor Code : WL170-P420

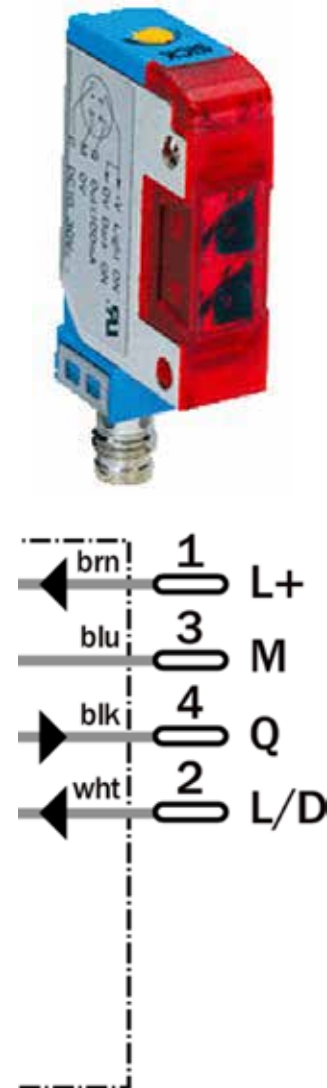
A Photoelectric Sensor consists primarily of an Emitter for emitting light and a Receiver for receiving light. When emitted light is interrupted or reflected by the sensing object, it changes the amount of light that arrives at the Receiver. The Receiver detects this change and converts it to an electrical output. These sensors are made of light sensitive parts. This makes them useful in detecting the light emitters or any type of light source. There are various types of this sensor. Majorly they utilize the phenomena of reflection of light in which emitter and receiver together detect the reflection of light that strikes the object. In some other cases they spot any disturbance due to the target in the beam of light.

General Attributes

- Detection principle : Photoelectric retro-reflective
- Dimensions (WxHxD) : 12 mm x 37 mm x 28.6 mm
- Housing design : Rectangular
- Sensing range max. : 0.1 m ... 0.8 m
- Sensing range : 0.1 m ... 0.6 m
- Type of light : Visible red light
- Light source : LED
- Supply voltage : 10 V DC ... 30 V DC
- Output type : PNP
- Connection type : Connector M8, 4-pin
- Housing material : Stainless steel, Stainless steel/ABS, Plastic, PC
- Ambient operating temp.: -25 °C ... +55 °C
- Ambient storage temp.: -40 °C ... +70 °C

Application Notes

Detects Presence of Transparent Films
 Detects Transparent Bottles
 Warning Alarm For Bottles
 Validation of cigarette Paper
 Prevention of entry into restricted area



Connection diagram

For further information please visit : <https://goo.gl/AjM3cd>

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