

Transmitter and receiver photocell sensors



APPLICATION

Photocell sensors consisting of a transmitter and a receiver are produced for G-508 and G-509 controllers.

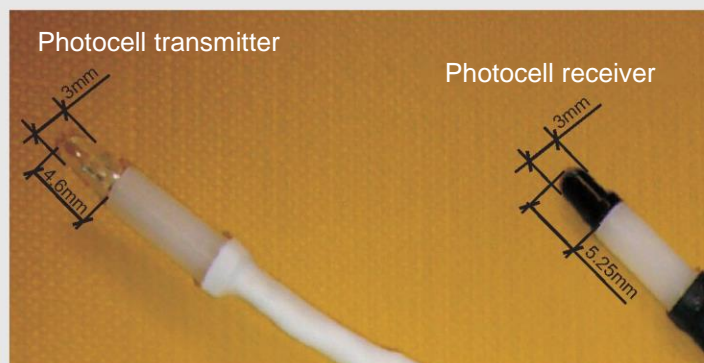
They are used in checkout boxes, where they are mounted on opposite sides of the conveyor belt in such a way that they "see" each other. When the product moving on the conveyor belt enters between both photocells, the conveyor belt will stop and restart if there is no obstacle between the photocells.

PROPERTIES

- sensors operate in the infra-red spectrum

TECHNICAL DATA

Transmitter supply voltage	1.2 [V]
Peak of the spectral wave of the transmitter and receiver	940 [nm]
Maximum forward current of the transmitter	50 [mA]
Receiver supply voltage	5 [V]
Receiver forward current	1.2 [mA]



EXAMPLES OF PHOTOCELL SENSORS

Transmitter and receiver diode in a straight line to the wire



Transmitter and receiver diode at right angles to the wire

