

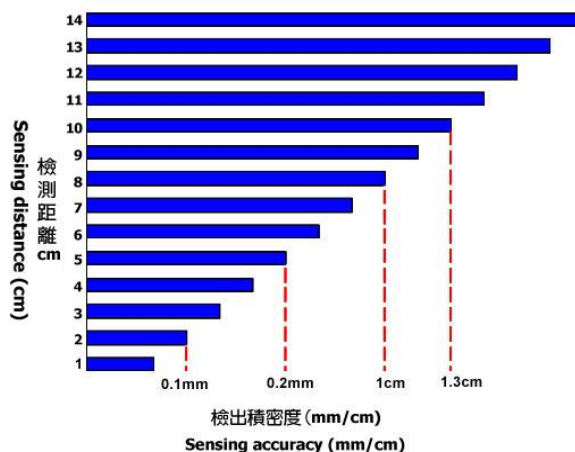
Photoelectric Sensor For Detecting Transparent Objects



Features

Background Elimination based on the same color and background is lighter, then the object accuracy is less than 0.1mm and not over than 1cm.

- * Accuracy is changed by the sensing distance The distance is shorter the accuracy is much better This type is most suitable on PCB detecting procedure.
- * The table is for expressing when Sensing Object is the same color as it's background color (our standard testing object is white) the sensing accuracy is smaller when the distance is shorter; and the sensing accuracy is bigger when the distance is longer.



Standard Specification

Type	Out type	1	NPN / NO.NC	UDY-10B-N
		2	PNP / NO.NC	UDY-10B-P
Detective Method				Reflex type
Sensitivity				With Setting Button
Sensing distance				10cm
Emission				Infrared
Current Operating voltage				DC 12V-24V permissible ripple (P.P):10% max.
Current consumption				≤ 15mA
Standard Sensing object				8x8cm White paper
Load current max.				200mA
Response frequency				100Hz
Residual output voltage				1.2V max. 1L= 200mA, cable 2m
Output type				N series: NPN NO/NC / P series: PNP NO/NC
Protection circuit				Polarity reversed protection
Indicator				Green LED: Power / Red LED: Output
Wiring method				PVC 2m/4 cores with Connector UL
Ambient temperature and humidity				-25° C to 55° C , 35~90% RH
Degree operating temperature				IEC, IP64
Housing material				Housing: ABS
Weight				45g
Accessories				nut and screw----each two units L type fixed one pcs

Operation Instructions

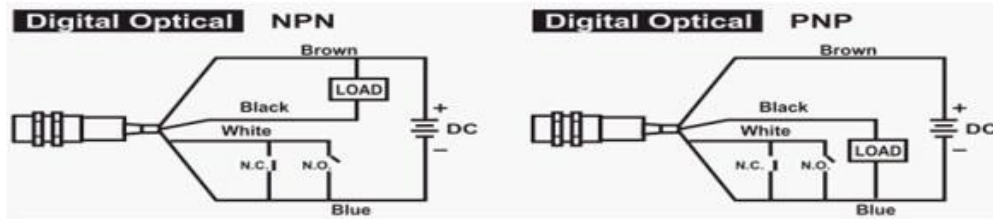
A. Setting sensitivity:

1. Aim beam spot at object and press "SET" button for 3 seconds till green light starts counting down to flashing to complete setting.
2. With multicolored objects, aim beam spot at the background of the object and repeat the first step as above (the beam can detect multicolored objects).

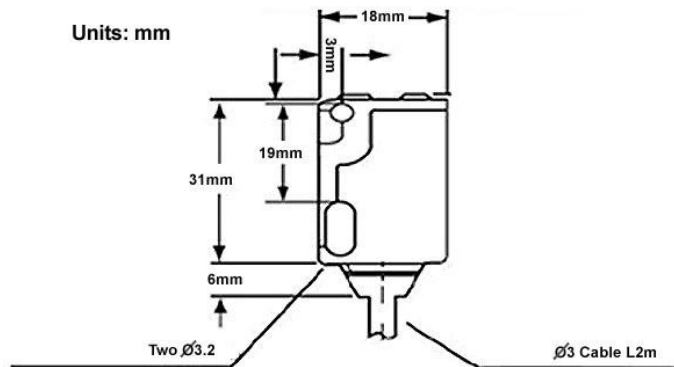
- B. Disconnect white electric wire from "Normal Open." Short both blue and white wires and restart power to complete N/C switching.

Diagram

CONNECTION DIAGRAM



Dimensions



Contact

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