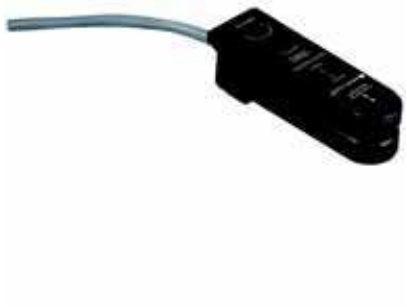


Model Number

GLD3-RT/115b/123/147

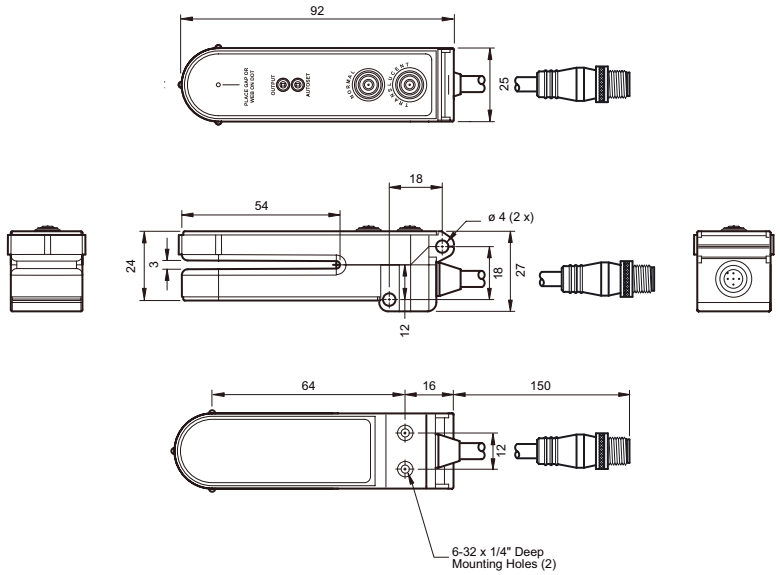
Photoelectric slot sensor

with 150 mm fixed cable and 5-pin, M12 x 1 connector

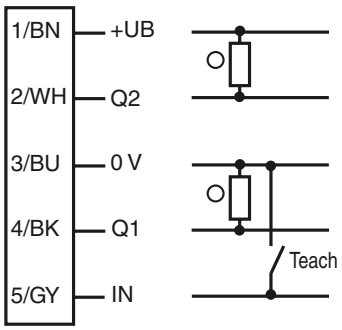
Features

- Push-button programmable
- Adjustable sensitivity
- Detection of paper and foil labels, including translucent varieties
- Remote teach capability

Dimensions

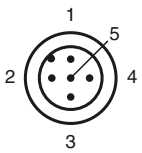


Electrical connection



○ = Light on
● = Dark on

Pinout



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Technical data

General specifications		
Light source		LED
Light type		modulated visible red light
Approvals		CE
USA		cULus
Canada		cULus
Fork width		3 mm
Indicators/operating means		
Function display		2 LEDs
Electrical specifications		
Operating voltage	U_B	10 ... 30 V DC
Ripple		10 %
No-load supply current	I_0	≤ 45 mA
Output		
Switching type		light/dark on
Signal output		1 NPN and 1 PNP Short circuit and overload protected Reverse polarity protected
Switching current		max. 150 mA
Voltage drop	U_d	≤ 1.5 V
Switching frequency	f	5 kHz
Response time		≤ 100 µs
Ambient conditions		
Ambient temperature		-40 ... 70 °C (-40 ... 158 °F)
Storage temperature		-40 ... 70 °C (-40 ... 158 °F)
Mechanical specifications		
Protection degree		IP66
Connection		fixed cable 150 mm with M12 x 1 male connector, 4 pin
Material		
Housing		Thermoplastic PPS
Optical face		zylex
Cable		PVC
Mass		62.37 g
Compliance with standards and directives		
Standard conformity		
Product standard		EN 60947-5-2:2007 IEC 60947-5-2:2007

Approvals and certificates	
UL approval	cULus
CCC approval	Products with a maximum operating voltage of ≤36 V do not bear a CCC marking because they do not require approval.

GLD3 series programming

Programming standard labels:

1. Use the external alignment guides on the sensor housing to position the alignment dot over the label gap
2. Push the teach button labeled "Normal" for 1 second
3. The green Autoset LED will blink several times very fast during the teach process

If the teach is successful, the green Autoset LED will be ON.

If the teach is not successful, both the green Autoset LED and the red Output LED will blink 2 times very slow, then the green Autoset LED will be ON.

Programming translucent labels:

1. Use the external alignment guides on the sensor housing to position the alignment dot over the label gap
2. Push the teach button labeled "Translucent" for 1 second
3. The green Autoset LED will blink several times very fast during the teach process

If the teach is successful, the green Autoset LED will be ON.

If the teach is not successful, both the green Autoset LED and the red Output LED will blink 2 times very slow, then the green Autoset LED will be ON.

Programming using remote teach:

1. Use the external alignment guides on the sensor housing to position the alignment dot over the label gap
2. Momentarily apply 0V (-) to pin 5 (gray wire)
3. The green Autoset LED will blink several times very fast during the teach process

If the teach is successful, the green Autoset LED will be ON.

If the teach is not successful, both the green Autoset LED and the red Output LED will blink 2 times very slow, then the green Autoset LED will be ON.

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When using remote teach, the sensor is programmed for either Normal or Translucent labels, whichever button was last used for programming.

Light On/Dark On:

The output of the sensor can be inverted by pressing both the Normal button and Translucent simultaneously. The red Output LED and the sensors output will change states.

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