



Model Number

GLD3-RT/95/147

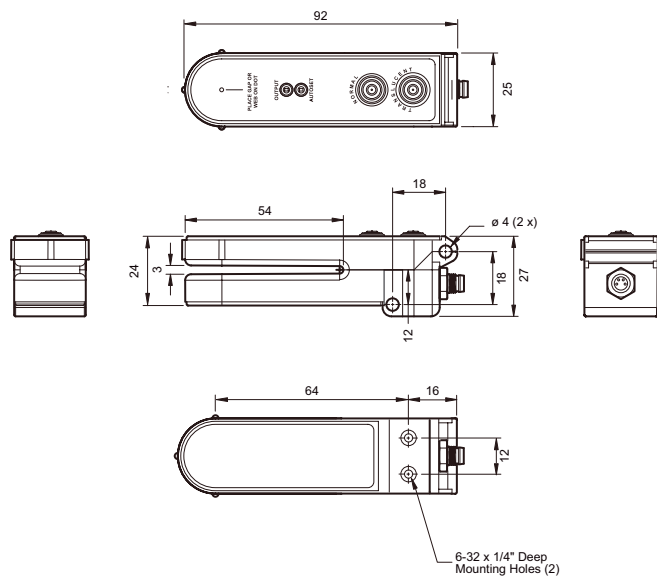
Photoelectric slot sensor

Thru-beam slot sensor

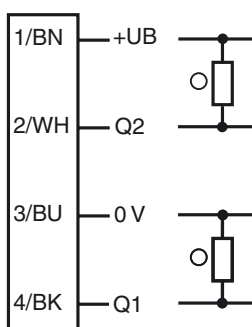
Features

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

Dimensions



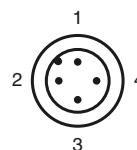
Electrical connection



○ = Light on

● = Dark on

Pinout





Technical data

General specifications

Detection range	0 ... 3 mm
Light source	Visible red LED
Approvals	CE
USA	cULus
Canada	cULus
Operating mode	light on / dark on

Indicators/operating means

Function display	2 LEDs
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Electrical specifications

Operating voltage	U_B	10 ... 30 V DC
Ripple		10 %
No-load supply current	I_0	≤ 45 mA
Operating current		150 mA max

Output

Signal output		1 NPN and 1 PNP Short circuit and overload protected Reverse polarity protected
Voltage drop	U_d	≤ 1.5 V
Switching frequency	f	5 kHz
Response time		≤ 100 μ s

Standard conformity

Standards	EN 60947-5-2
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Ambient conditions

Ambient temperature	-40 ... 70 °C (-40 ... 158 °F)
Storage temperature	-40 ... 70 °C (-40 ... 158 °F)

Mechanical specifications

Protection degree	IP66
Connection	V31 connector (M8 x 1), 4 pin
Material	
Housing	Thermoplastic PPS
Optical face	zylex
Mass	53.86 g

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.

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.

