



### Model Number

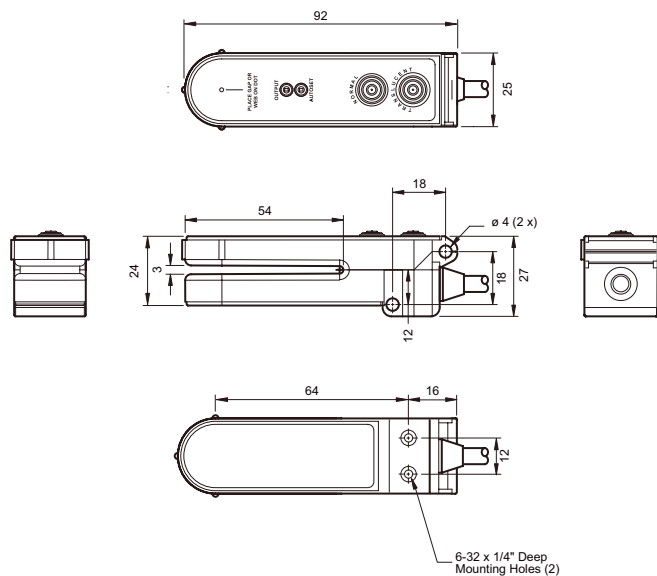
**GLD3-RT/115/147**

Photoelectric slot sensor  
with 2 m fixed cable

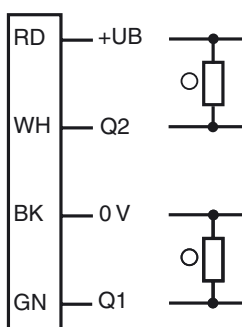
### Features

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

### Dimensions



### Electrical connection



○ = Light on  
● = Dark on

## 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
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### 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 <sub>d</sub>	≤ 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	2 m fixed cable
Material	
Housing	Thermoplastic PPS
Optical face	zylex
Cable	PVC
Mass	82.21 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.

### 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.