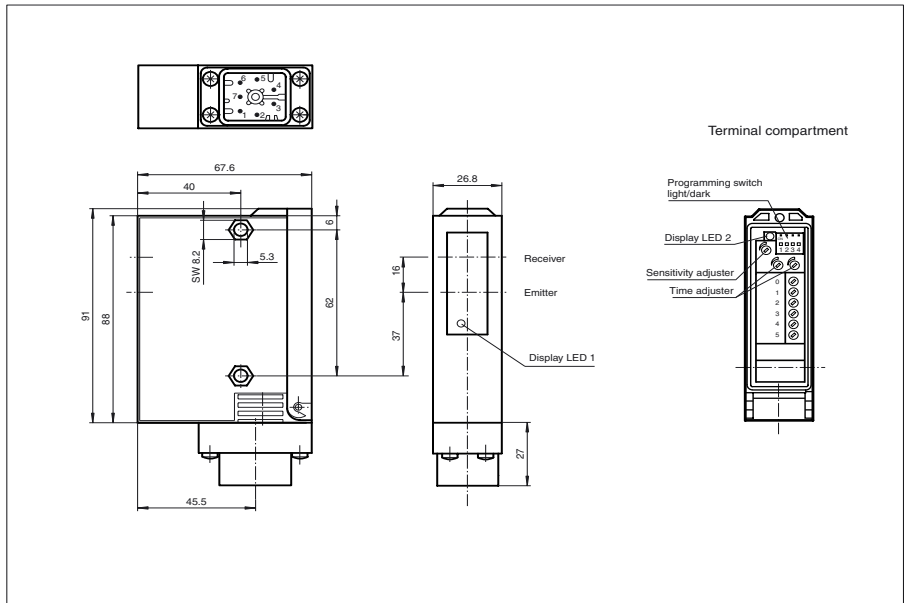




**Dimensions**



**Model Number**

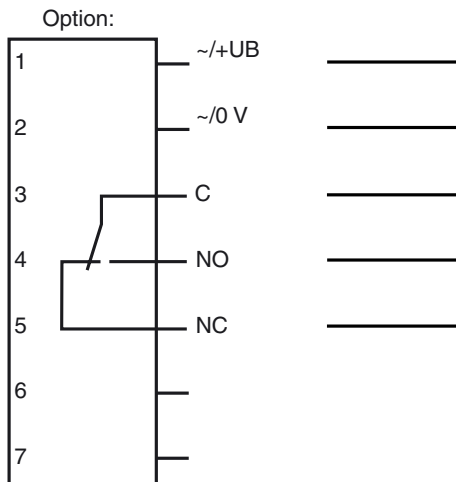
**RLK24-8-H-150/100D**

Background suppression sensor with 7-pin surface-mounted connector up to 250 VAC

**Features**

- Sensing ranges 80 mm or 150 mm
- Sturdy plastic housing
- Sensitivity adjuster and light-/dark switch
- Pre-fault indication
- 4 programmable time functions
- Operating voltage 12;V ...;240;V;AC/DC

**Electrical connection**



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## Technical data

### General specifications

Detection range	30 ... 150 mm
Detection range min.	30 ... 150 mm
Detection range max.	30 ... 160 mm
Light source	LED
Black/White difference (6 %/90 %)	< 10 %
Approvals	CE
USA	UL
Kanada	CSA
Background suppression	starts from 160 mm
Light type	red, modulated light
Diameter of the light spot	approx. 5 mm at 300 m detection range
Angle of divergence	approx. 1.4 °
Ambient light limit	100000 Lux

### Indicators/operating means

Function display	LED yellow, frontal and in the terminal compartment, lit up when light beam is free, flashing when falling short of the stability control
Operating elements	Programming switch for light/dark ON, timer functions
Operating elements	2 potentiometers for timer functions
Operating elements	1 Potentiometer as sensitivity adjuster

### Electrical specifications

Operating voltage	$U_B$	12 ... 240 V AC/DC
Power consumption	$P_0$	3 VA

### Output

Switching type	light/dark switching	
Signal output	1 relay output, 1 alternator	
Switching voltage	max. 240 V AC	
Switching current	max. 200 mA	
Switching frequency	f	20 Hz
Response time	25 ms	
Timer function	GAN, GAB, IAB, GAN-GAB, programmable adjustment range 0.1 ...10 s	

### Standard conformity

Standards	EN 60947-5-2
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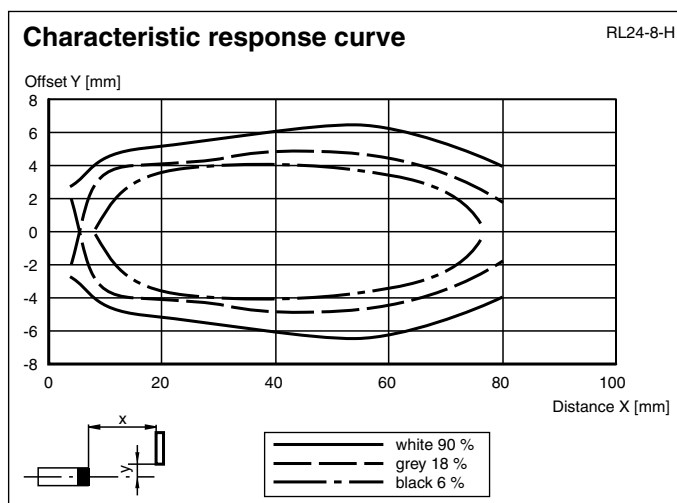
### Ambient conditions

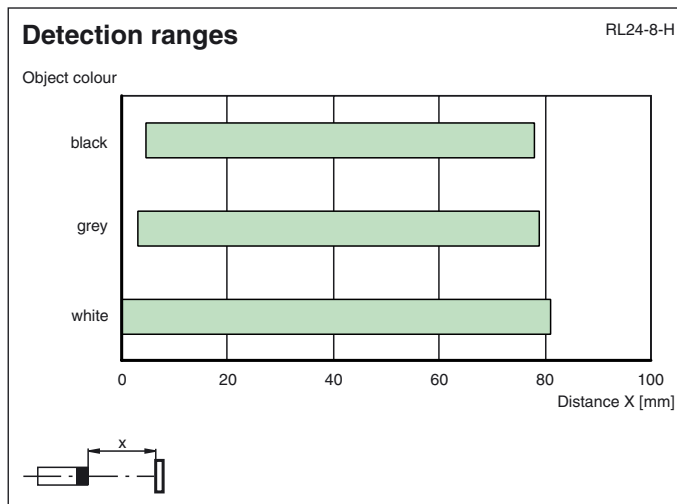
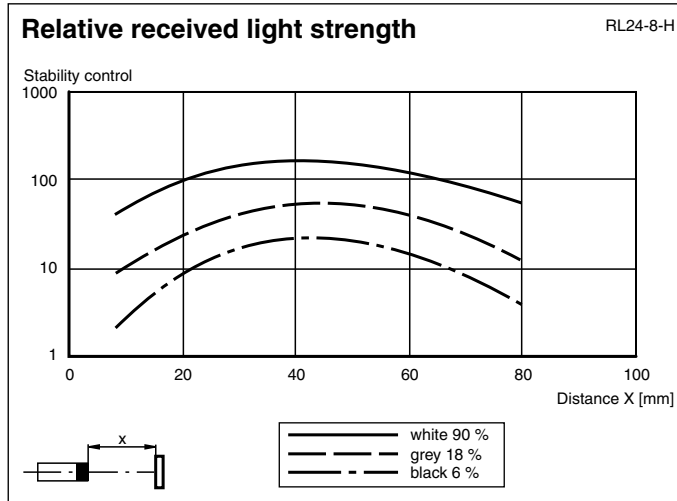
Ambient temperature	-20 ... 60 °C (253 ... 333 K)
Storage temperature	-20 ... 75 °C (253 ... 348 K)

### Mechanical specifications

Protection degree	IP65
Connection	7-pin surface-mounted connector, up to 250 VAC (without cable socket)
Material	
Housing	GF17
Optical face	glass
Mass	115 g

## Curves / Diagrams





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