



Model Number

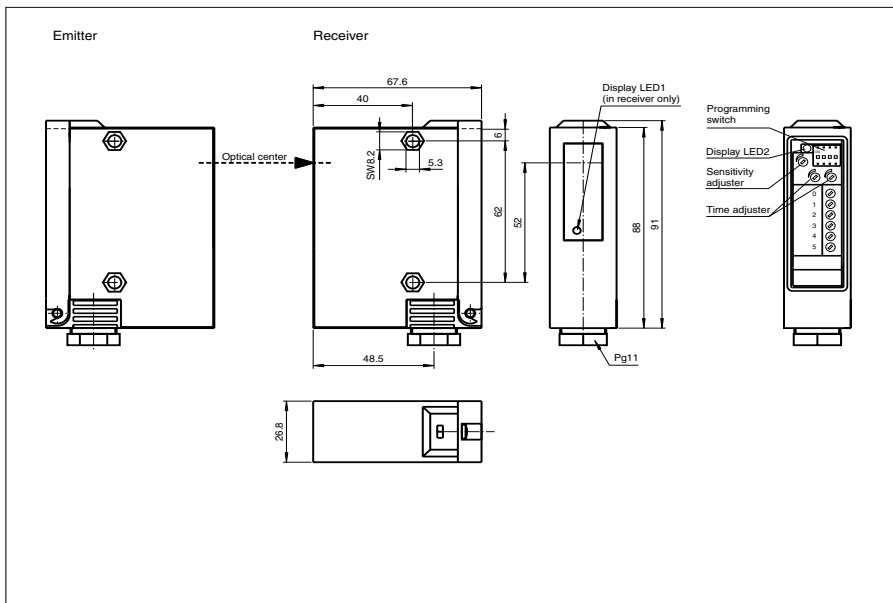
L24/LK24/116

Thru-beam sensor
with terminal compartment

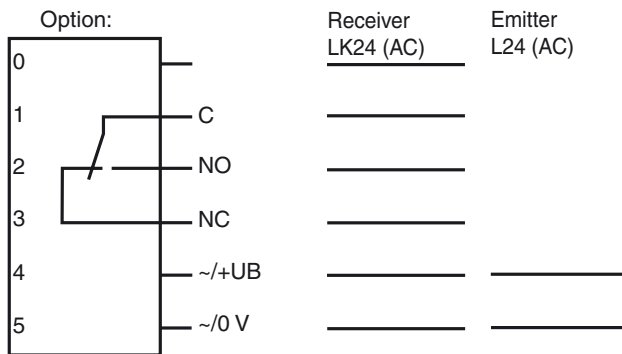
Features

- Detection range up to 45 m
- Sturdy plastic housing
- Sensitivity adjuster and light-/dark switch
- Pre-fault indication and output
- 4 programmable time functions
- Operating voltage 10;V ...;30;V;DC or 12;V ...;240;V;AC/DC

Dimensions



Electrical connection



○ = Light on
● = Dark on

Release date: 2009-08-18 16:15 Date of issue: 2009-08-18 11:542_ENG.xml

Technical data

General specifications

Effective detection range	0 ... 30 m
Threshold detection range	45 m
Light source	LED
Approvals	CE
USA	UL
Kanada	CSA
Obstacle size	25 mm
Light type	red, modulated light
Diameter of the light spot	250 mm at 10 m detection range
Angle of divergence	2 °
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. 2 A	
Switching frequency	f	25 Hz
Response time		20 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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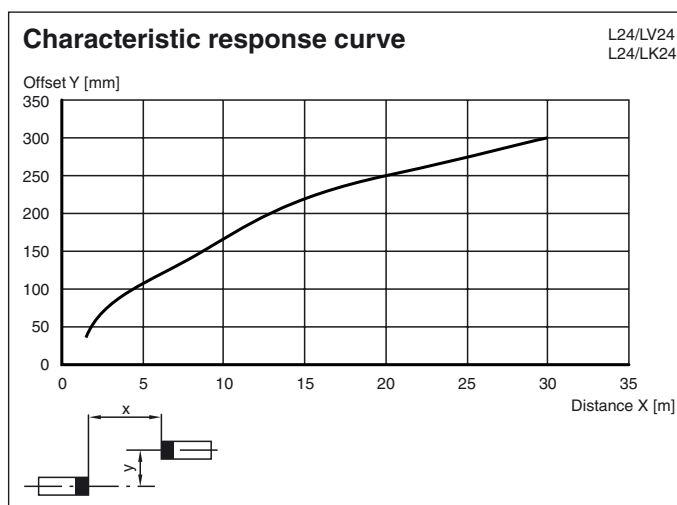
Ambient conditions

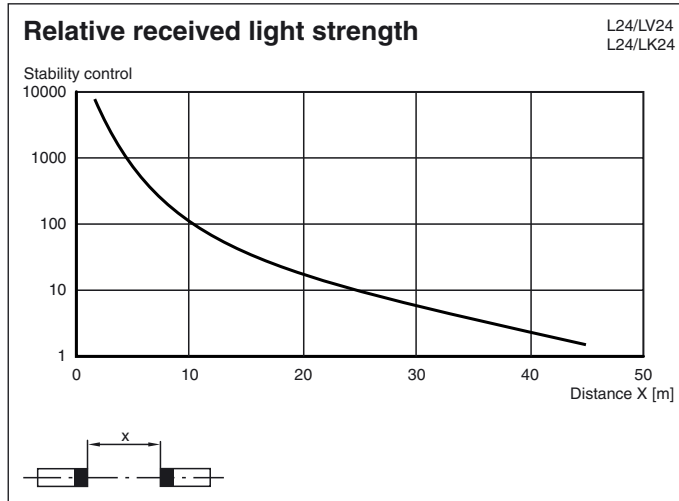
Ambient temperature	-20 ... 60 °C (253 ... 333 K)
Storage temperature	-20 ... 75 °C (253 ... 348 K)

Mechanical specifications

Protection degree	IP65
Connection	terminal compartment
Material	
Housing	GF17
Optical face	glass
Mass	100 g (device)

Curves/Diagrams





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