

RL21-8-800/49

Reflection light scanner

# RL21-8-800/49

with terminal compartment

CE



- ◆ Detection range 10 mm ... 800 mm, adjustable
- ◆ Sturdy plastic housing
- ◆ Optical surface made of scratch-resistant glass
- ◆ Pre-fault indication
- ◆ Transistor output
- ◆ Operating voltage DC

Date of edition 12/10/03

**General specifications**

Detection range	10 ... 800 mm
Light source	IRED
Approvals	CE
Adjustment range	300 ... 800 mm
Light type	infrared, alternating light
Diameter of the light spot	approx. 30 mm at 800 mm detection range
Angle of divergence	approx. 2 °
Ambient light limit	40000 Lux

**Indicators/operating means**

Function display	LED, red/green, red when falling short of the stability control, green when stability control $\geq 3$
Operating elements	Programming switch for light/dark ON, time functions,; time adjuster, sensitivity adjuster

**Electrical specifications**

Operating voltage	10 ... 30 V DC
Ripple	10 %
No-load supply current $I_0$	40 mA

**Output**

Switching type	Light/dark ON, switchable
Signal output	1 pnp and 1 npn short-circuit proof, protected against reverse polarity
Switching voltage	30 V DC
Switching current	max. 200 mA
Switching frequency f	35 Hz
Response time	10 ms
Timer function	GAN, GAB, IAB, programmable, adjustment range 0.1 ...10 s

**Standard conformity**

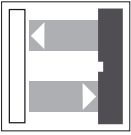
Standards	EN 60947-5-2
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**Ambient conditions**

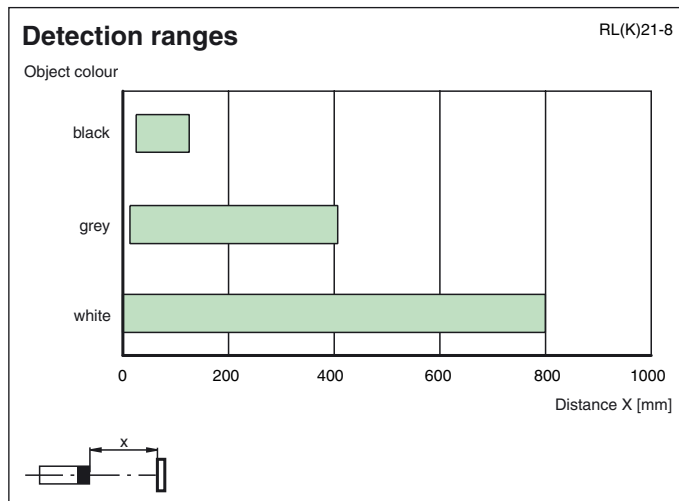
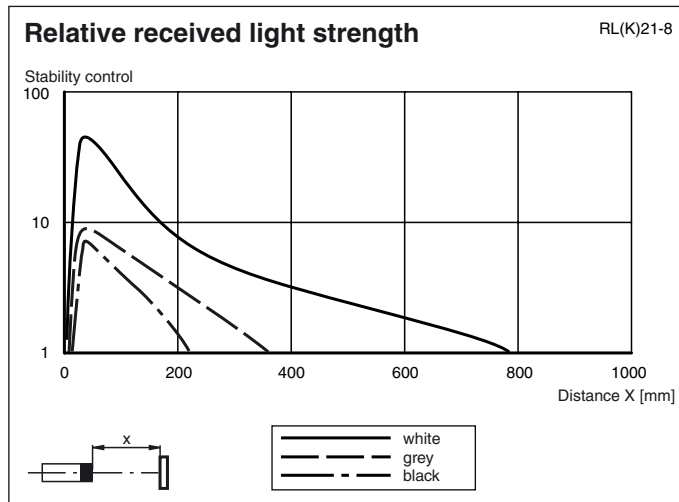
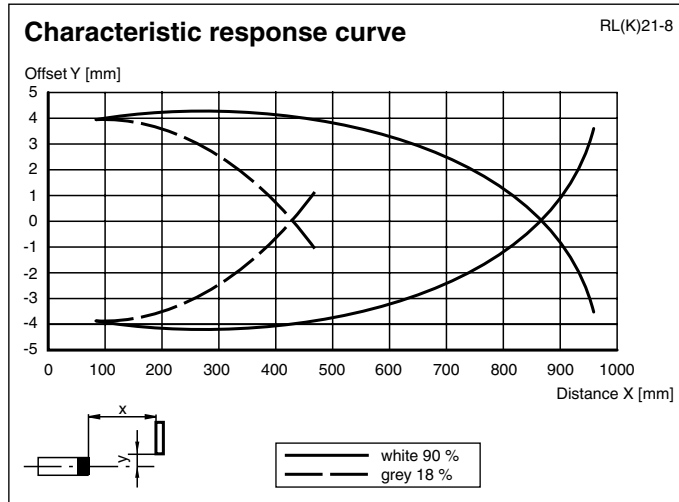
Ambient temperature	-20 ... 60 °C (253 ... 333 K)
Storage temperature	-20 ... 75 °C (253 ... 348 K)

**Mechanical specifications**

Protection degree	IP65
Connection	terminal compartment
Material	
Housing	Terluran GV15
Optical face	glass
Mass	130 g

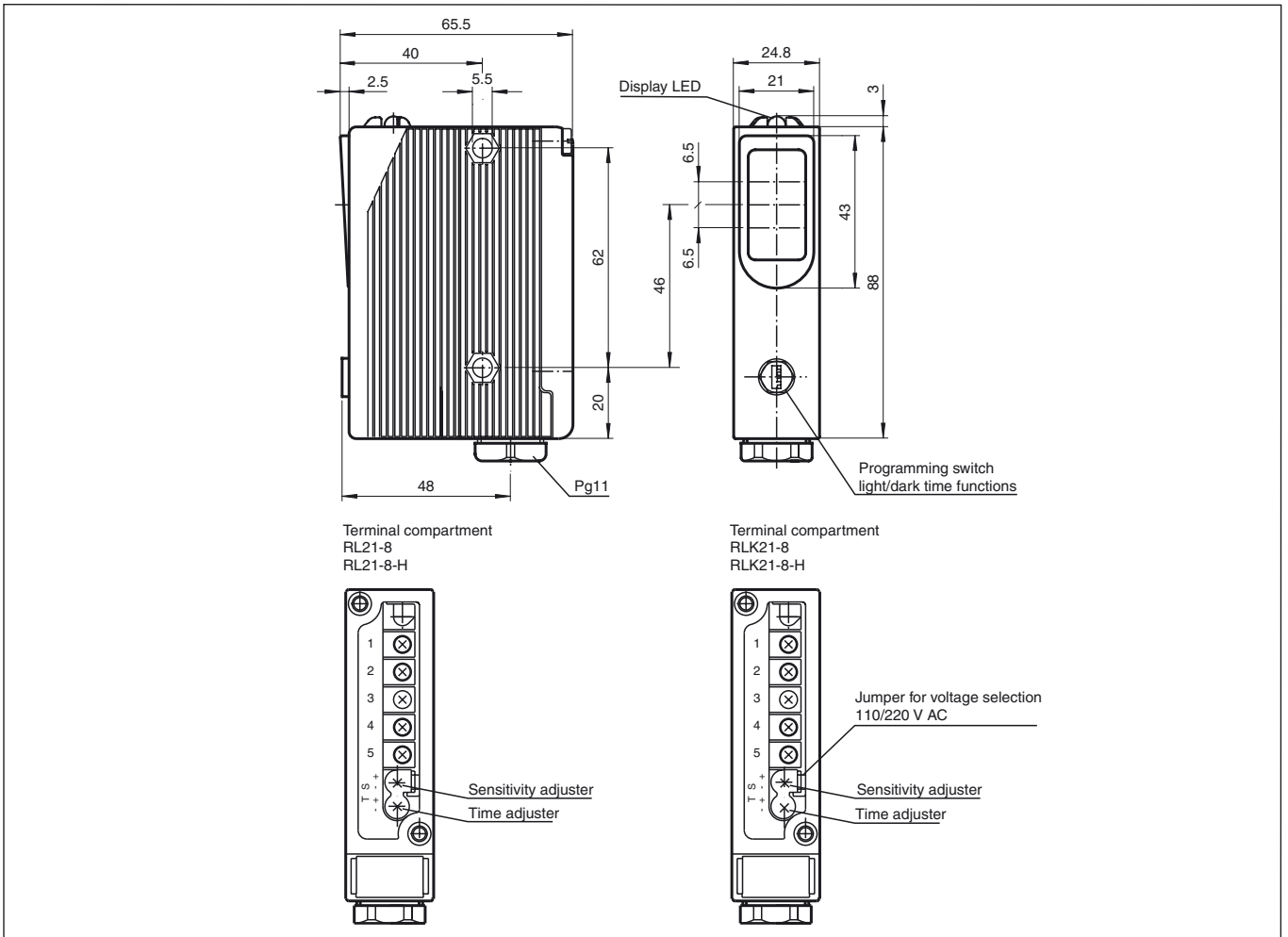


Curves/Diagrams

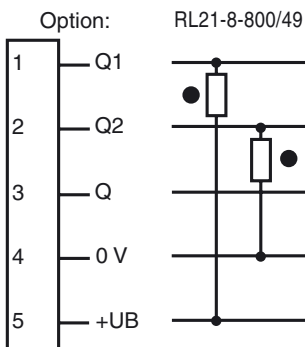


Note

Dimensions



Electrical connection



○ = light on, ● = dark on