



RLK31

Safety

Versatile Long Range Industrial Door Reflective Light Barrier

Compact water proof safety beam sensor with a detection range of up to 12m



- **Long Detection Range**
Suits all industrial door types due to a detection range of up to 12m
- **Ease of Installation**
Optimal set-up indicated by a constantly illuminated yellow LED
- **Water & Dust Proof**
Maximize resistance to the negative effects of water and dust with an IP67 protection rating
- **Flexible Mounting**
Universal mounting bracket supplied allows easy installation in even the most difficult of environments



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Technical Specification

Accessories Provided



Sensor head (including transmitter & receiver in one housing)



Universal mounting bracket



Mounting screws



C110-2 Reflector

Model	RLK31 Industrial Door Safety	
Detection Method	Reflected Active Infrared Light	
Detection Range	12m with Reflector C110-2 provided	
Reflector Type	C110-2, diameter 84mm	
Sensor Dimensions	35mm (W), 62mm (H), 18mm (D)	
Light Type	Red, modulated light	
IP Rating	67	
Power Supply	12 to 240V DC or 24 to 240V AC	
Power Consumption	≤ 2 VA	
No-load Supply Current	≤ 40 mA	
Diameter of Light Spot	approx. 200mm at a distance of 6m	
Angle of Divergence	3°	
Ambient Light Limit	50,000 Lux	
Operating LED	Power On	= Green On
Function LED	Perfect alignment between sensor & reflector	= Yellow On
	Poor alignment between sensor & reflector	= Yellow Flashing
Switching Type	Light ON	
Signal Output	1 relay output, 1 alternator	
Switching Voltage	Max. 240 V AC	
Switching Current	Max. 3 A	
Switching Frequency	20 Hz	
Response Time	≤ 25 ms	
Operating Temperature	-25°C to +55°C, (-13°F to 131°F)	
Cable	Fixed cable 2m , 5-core	
Weight Set	350g	
Available Colours	Black: Product Code	= RLK31
Accessories Provided	C110-2 Reflector	
	Universal Mounting Bracket	
	Sensor head with 2m cable	
	Mounting Screws	
	Installation Instructions	

Sensor Head Dimensions (mm)

