

Sensor module

AIR17-S Master

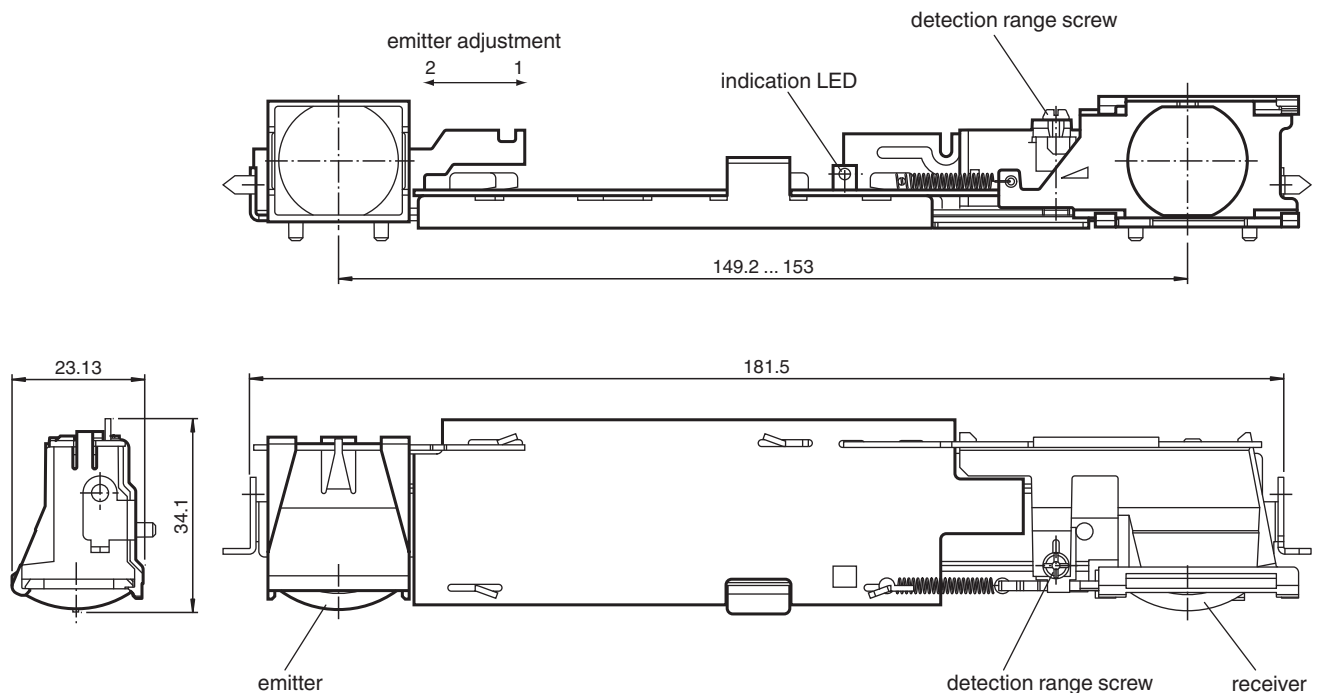


- Sensor module for configurable TopScan-S
- Master module
- Category 2, tested and certified to DIN 18650/EN 16005
- Safe function even on difficult floors
- Easy adjustment of transmitter for hinge side/ opposite hinge side

Replacement/extension sensor module



Dimensions



Technical Data

General specifications

Detection range min.	0 ... 1500 mm
Detection range max.	0 ... 2500 mm

Release date: 2022-07-15 Date of issue: 2022-07-15 Filename: 208177_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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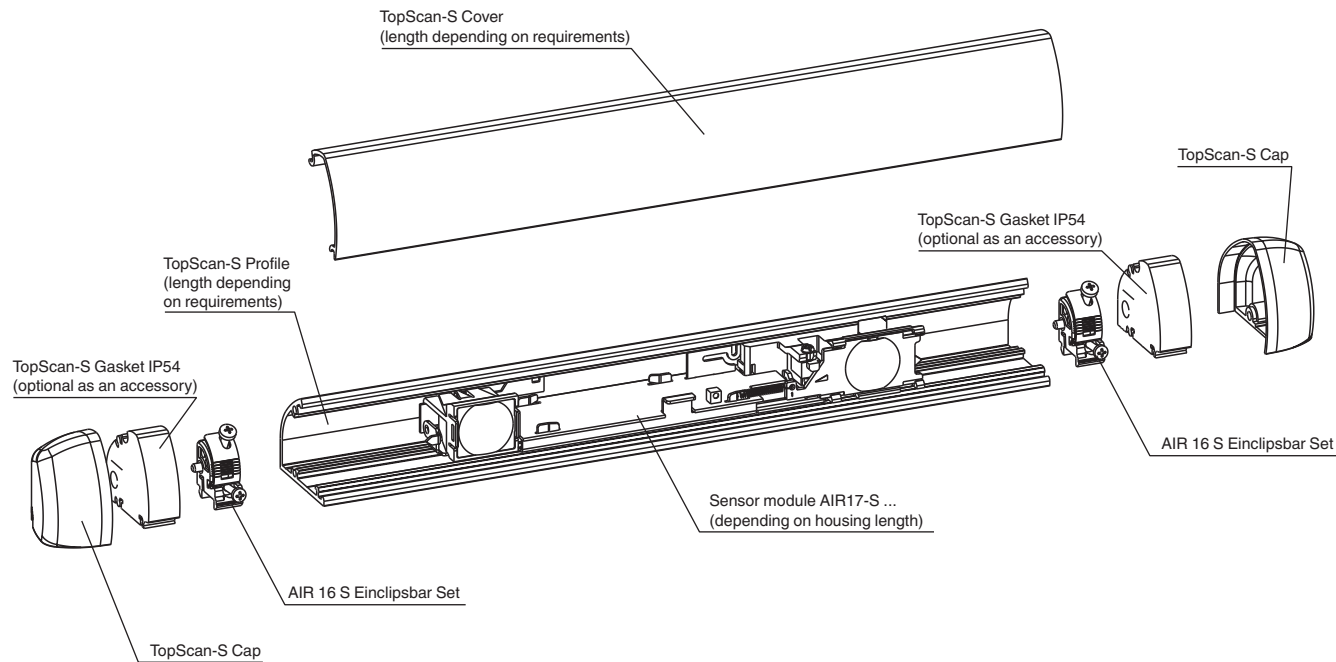
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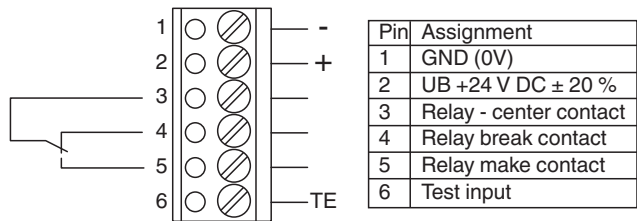
Technical Data

Light source	IRED	
Light type		modulated infrared light
Black-white difference (6 %/90 %)		< 2 % at 2000 mm sensor range
Operating mode		Background evaluation
Diameter of the light spot		1.1 cm x 8.3 cm at 2000 mm sensor range
Functional safety related parameters		
MTTF _d		880 a
Mission Time (T _M)		20 a
Diagnostic Coverage (DC)		90 %
Indicators/operating means		
Function indicator		LED red/green
Control elements		Sensing range adjuster
Electrical specifications		
Operating voltage	U _B	24 V DC +/- 20 %
No-load supply current	I ₀	75 mA
Input		
Test input		active at U = 11 V DC at 30 V DC inactive at U = -3 V DC at 5 V DC
Output		
Switching type		Relay de-energized at object inside the scanning range
Signal output		Relay, 1 alternator
Switching voltage		5 V ... 30 V AC/DC
Switching current		max. 300 mA
Response time		≤ 70 ms
Approvals and certificates		
CCC approval		CCC approval / marking not required for products rated ≤36 V
Ambient conditions		
Ambient temperature		-10 ... 50 °C (14 ... 122 °F)
Mechanical specifications		
Mounting height		max. 2500 mm
Note		Safety fuse ≤ 1 A (slow-blow) according to IEC 60127-2 Sheet 1 Recommendation: after a short circuit, check that the device is functioning correctly.

Assembly



Connection Assignment



Explanation:
Relay:
Relay is inactive during detection
Relay is active in free detection field

Test input:
Test input is inactive at: U_low = -3 V ... +5 V DC
Test input is active at: U_high = +11 V ... +30 V DC

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