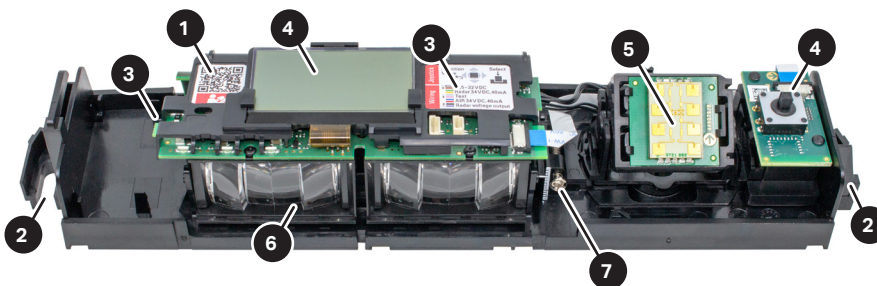


DualSense D

Quickstart guide

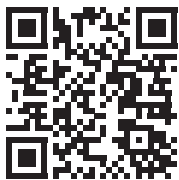
466188 C



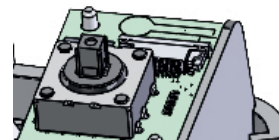
Quickstart steps overview

- 1 Read manual
- 2 Mount sensor
- 3 Connect to door control
- 4 Set configuration
- 5 Adjust radar settings
- 6 Adjust AIR field width
- 7 Adjust AIR field angle
- 8 Close cover
- 9 Test door function

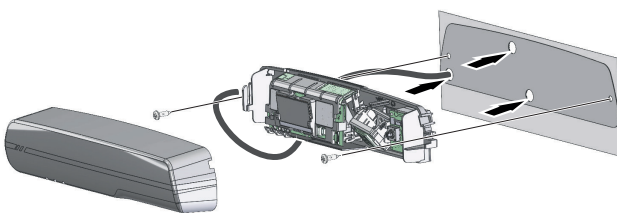
1 Read manual



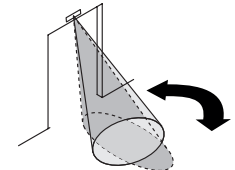
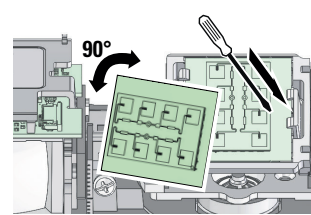
4 Set configuration



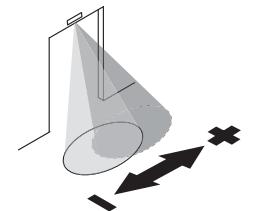
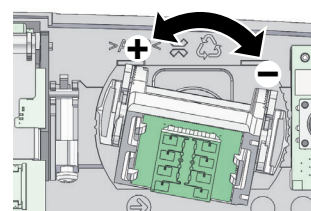
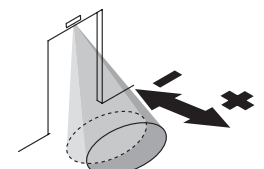
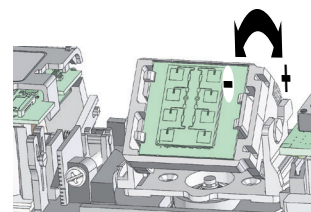
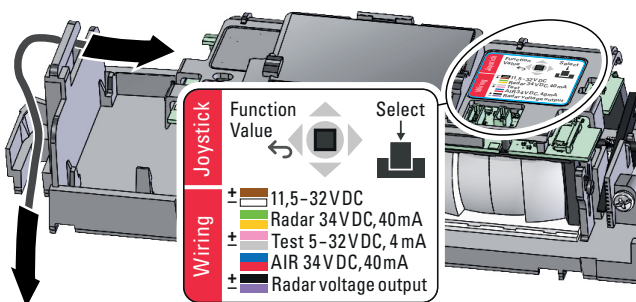
2 Mount sensor



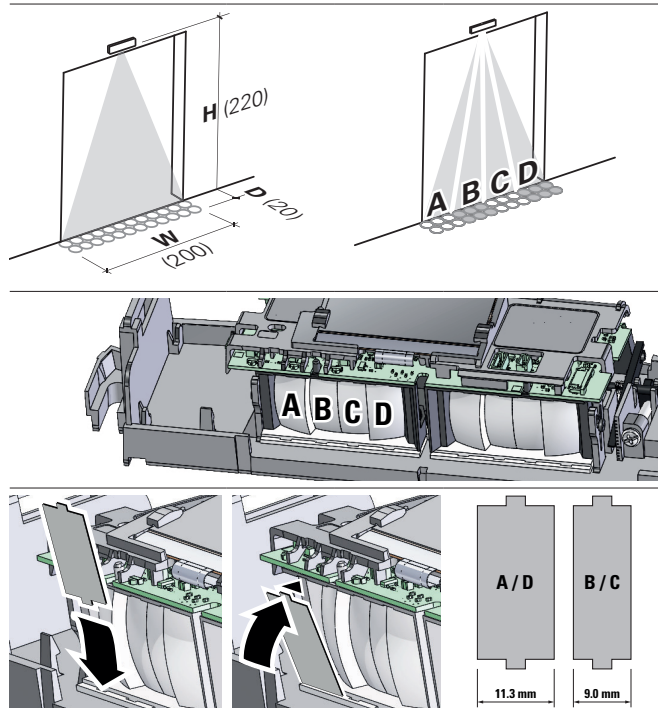
5 Adjust radar settings



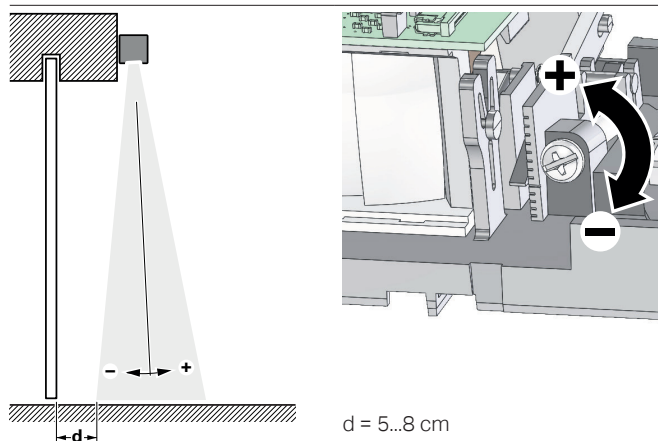
3 Connect to door control



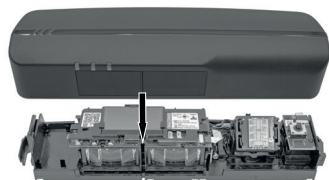
6 Adjust AIR field width



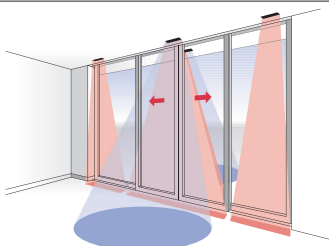
7 Adjust AIR field angle



8 Close cover



9 Test door function



Technical data

Mechanical data

Housing material	ABS / PA
Housing colors	black, white, silver
Dimensions (L × W × D)	252 × 61 × 51 mm
Weight	250 g

Technological data

Technology	active infrared (AIR), radar
Field and spot dimensions on the ground	see below for specification at mounting height 2.20 m
AIR field dimensions	max. 2.00 × 0.20 m
AIR spot dimensions	30 × 30 mm
AIR number of spots	2 rows of 12 spots
AIR performance level	PLd, Cat. 2 (EN ISO 13849-1)
Dimensions of wide radar field	min. 1.90 × 1.0 m max. 4.00 × 2.00 m
Dimensions of narrow radar field	min. 1.00 × 4.00 m max. 2.00 × 4.00 m
Radar transmission frequency	24.2 GHz
Radar transmission power	< 13 dBm
performance level radar	PLd, Cat. 2 (EN ISO 13849-1) applicable for radar output in frequency mode and voltage output

Electrical data

Supply voltage	11.5...32 V DC
Current consumption	max. 120 mA @ 24 V
Inrush current	max. 240 mA
Test input	automatic detection
Response time to testsignal	< 10 ms
Test input high level	5...32 V DC, max. 4 mA
AIR output	solid state relay, max. 34 V DC / 24 V AC, max. 40 mA
Radar output	solid state relay, max. 34 V DC / 24 V AC, max. 40 mA
Radar frequency output	pulsed signal 100 Hz +/- 10 %
Radar voltage output	open circuit voltage 4.5 V, min. 3.3 V @ 10 mA (typical load with 3 optocouplers in series)
Connection type (standard)	3 m cable with plug connector

Ambient conditions

Mounting height	min. 1.8 m, EN 16005 up to 3.0 m, max. 4.0 m
Operating temperature	min. -20 °C, max. +50 °C
Ingress protection	IP54 (EN 60529)
Air humidity	max. 95 % relative, non-condensing

Compliance

CE BBC Bircher AG declares the conformity of the product with these EU directives:

MD 2006/42/EC, RED 2014/53/EU, RoHS 2011/65/EU.
Beringen, 05 July 2023, Heinz Macher (CTO)

Find complete declarations of conformity on our website or by using the QR code for the manual.



In case of disposal, follow the local waste regulations.

BBC Bircher Smart Access

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