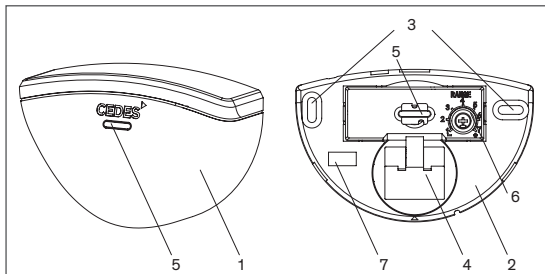


► Overview



- 1 Cover
- 2 Mounting plate with sensor
- 3 Mounting holes
- 4 Sensor antenna
- 5 Status LED
- 6 Potentiometer for range
- 7 Cable introduction

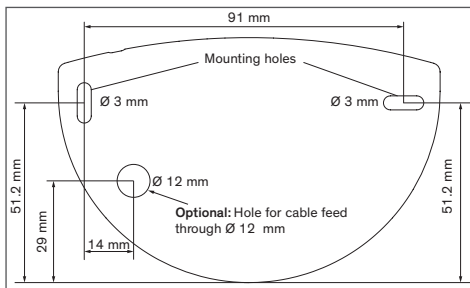
► Installation

Delivery package:

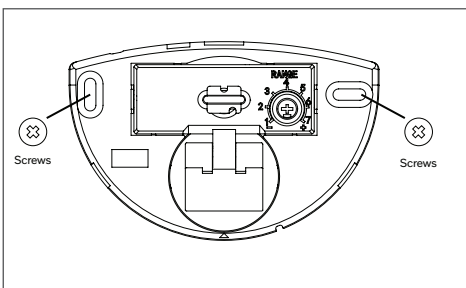
Cover, mounting plate with sensor, connection cable, drilling template and installation guide

Assembly preparation:

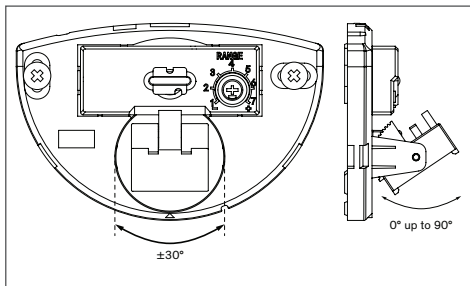
Drill holes according to drilling template



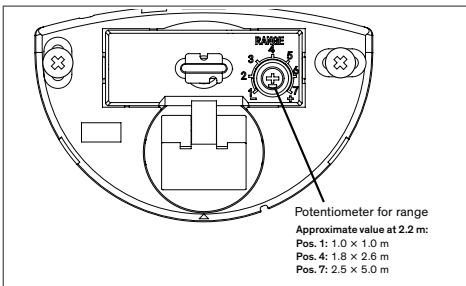
Mount plate with sensor



Align sensor antenna



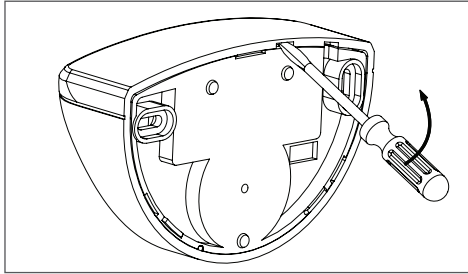
Set potentiometer



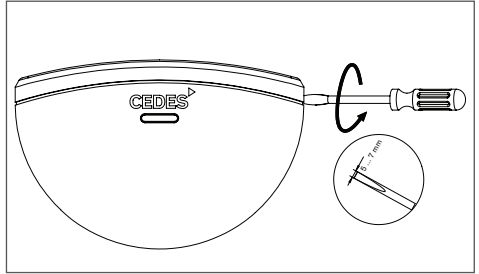
Close sensor cover, wire according to connection diagram and start control unit.

Open sensor:

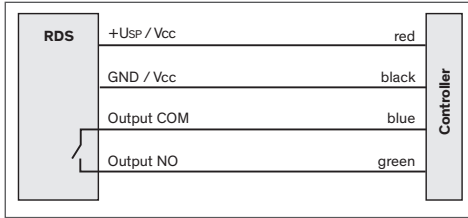
Not mounted



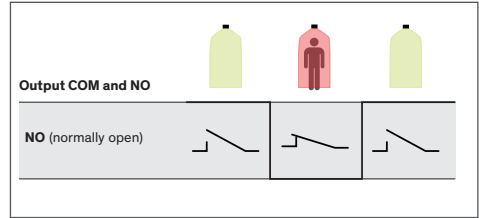
Mounted



► **Electrical connection**



► **Output logic**



► **Technical data**

MICROWAVE / RADAR

Technology	Microwave Doppler radar
Transmitter frequency	24.150 GHz
Transmitter radiated power	< 20 dBm EIRP
Transmitter power density	< 5 mW/cm ²
Min. detection speed	5 cm/s
Detection area	4 m × 2 m at 2.2 m

MECHANICAL

Mounting height	From 1.8 m up to 4 m
Dimensions (w × h × l)	76 × 48 × 116 mm
Housing material	PP
Enclosure rating	IP54
Temperature range	-20 °C ... +55 °C
Operating humidity level	< 95% RH
Tilt angles	0° to 90° vertical -30° to +30° lateral

ELECTRICAL

Supply voltage U_{SP}	10 ... 30 VDC / 12 ... 24 VAC
Typ. current consumption at 24 VDC	< 30 mA
Output	Solid-state relay
Max. switching voltage	50 V
Max. switching current	250 mA
Max. release time	1.5 s

Indication LED (red):

- LED on	Object detected
- LED off	No object detected

CONNECTION CABLE AND ELECTRICAL CONNECTION

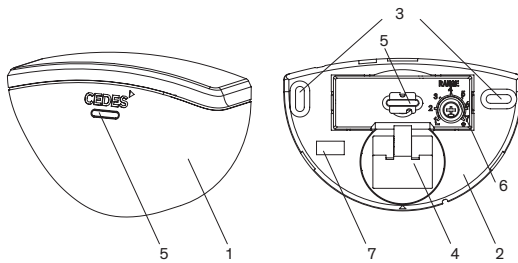
Length	2.2 m
Diameter	Ø 4 mm
Material	PVC, gray
Wires	AWG26
• red	U_{SP} / Vcc
• black	GND (0 V) / Vcc
• blue	Output COM
• green	Output NO



CEDES AG is certified according to ISO 9001: 2015.

CEDES AG reserves the right to modify or change technical data without prior notice.

► 概述



- 1 外壳
- 2 带安装板的传感器
- 3 安装孔
- 4 传感器天线
- 5 状态LED
- 6 范围电位器
- 7 线缆介绍

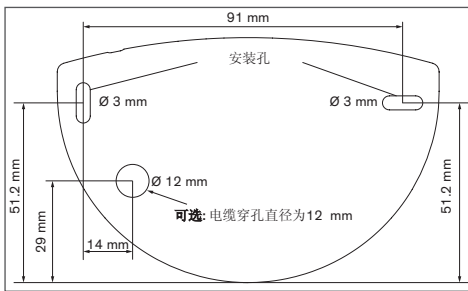
► 安装

附件包:

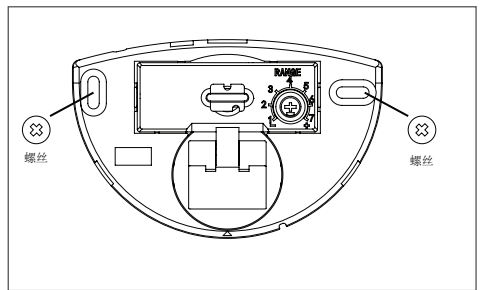
外壳, 带传感器的安装板, 连接电缆, 钻孔模板和安装指导

装配准备:

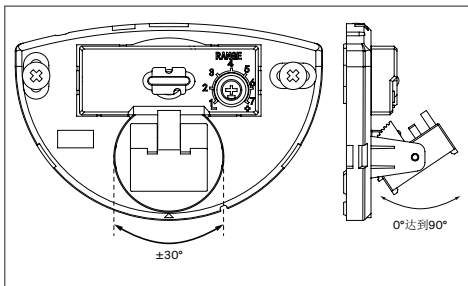
根据钻孔模板钻孔



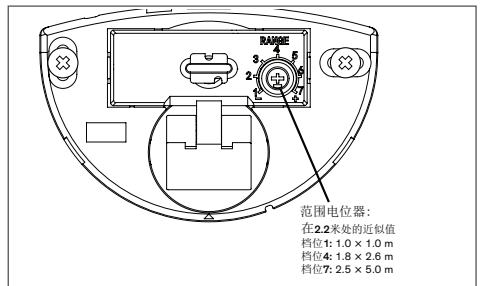
安装传感器



对准传感器天线



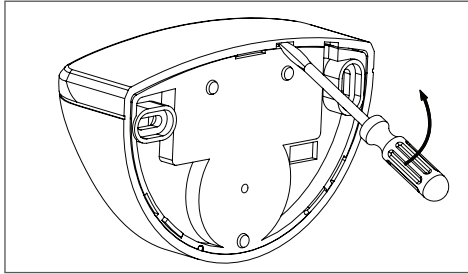
设置电位器



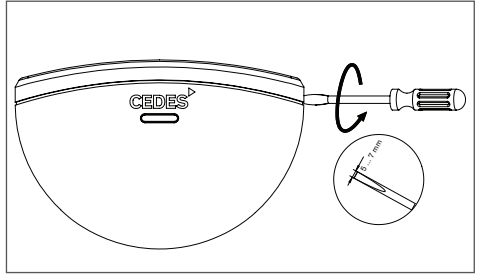
根据连接图, 连接传感器和启动控制单元, 盖好传感器的盖子。

打开外壳:

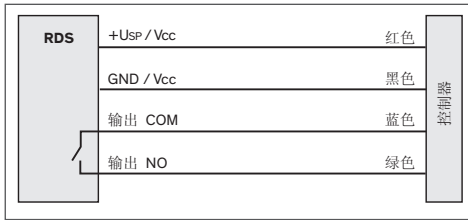
未安装



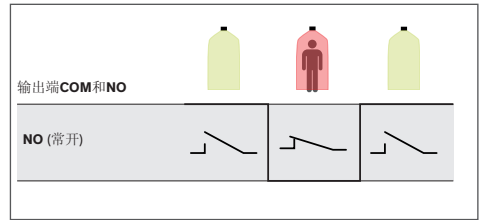
安装后



► **电气连接**



► **输出逻辑**



► **技术参数**

微波雷达参数

技术	微波多普勒雷达
发射频率	24.150 GHz
发射辐射功率	< 20 dBm EIRP
发射频率密度	< 5 mW/cm ²
最小探测速度	5 cm/s
检测区域	在2.2 m的安装高度下探测范围 2 m*4 m

机械参数

安装高度	从 1.8 m 到 4 m
尺寸规格 (宽*高*长)	76 × 48 × 116 mm
外壳材质	PP
防护等级	IP54
温度范围	-20 °C ... +55 °C
工作湿度	< 95% RH
可调倾角	垂直方向: 0° 到90° 水平方向: -30° 到+30°

电子参数

电源电压 USP	10 ... 30 VDC / 12 ... 24 VAC
电流消耗 (24VDC)	< 30 mA
输出	固态继电器
最大开关电压	50 V
最大开关电流	250 mA
最长释放时间	1.5 s

LED指示灯 (红色):

- LED亮 物体被探测到
- LED暗 无物体被探测到

电缆和电气连接

电缆长度	2.2 m
直径	Ø 4 mm
材质	PVC, 灰色
线缆	AWG26
• 红色	USP / Vcc
• 黑色	GND (0 V) / Vcc
• 蓝色	输出 COM
• 绿色	输出 NO



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