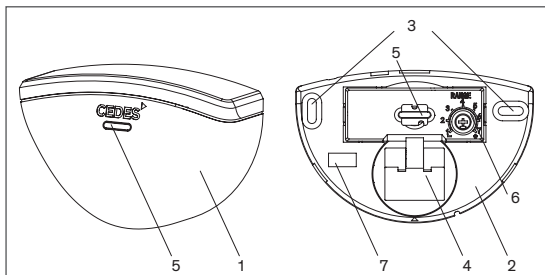


### ► Overview



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

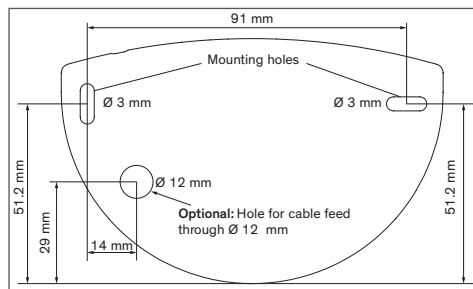
### ► Installation

#### Delivery package:

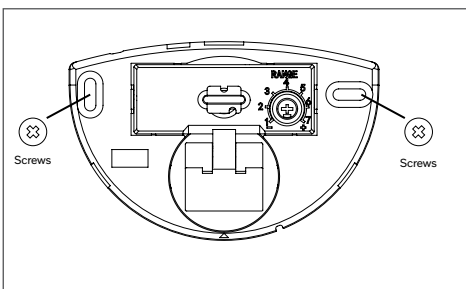
Cover, mounting plate with sensor, connection cable, drilling template and installation guide

#### Assembly preparation:

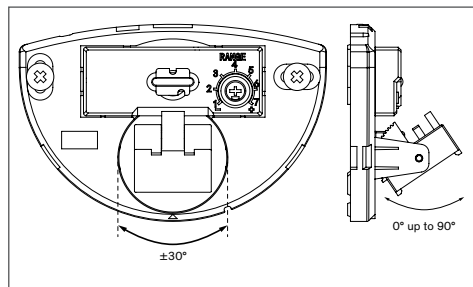
Drill holes according to drilling template



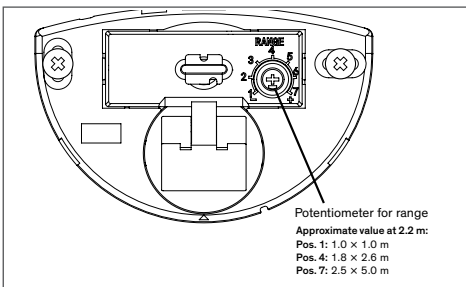
#### Mount plate with sensor



#### Align sensor antenna



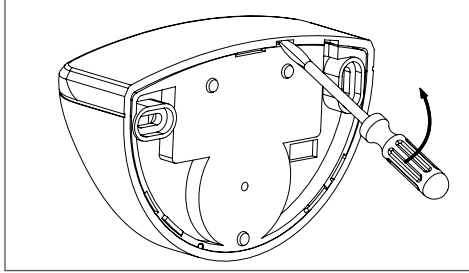
#### Set potentiometer



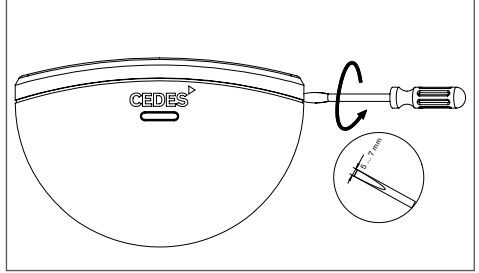
Close sensor cover, wire according to connection diagram and start control unit.

**Open sensor:**

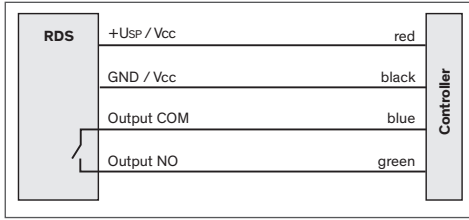
Not mounted



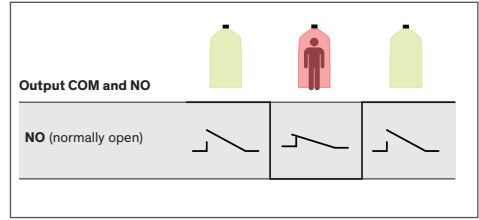
Mounted



► **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/cm²
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	ABS, PC
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**

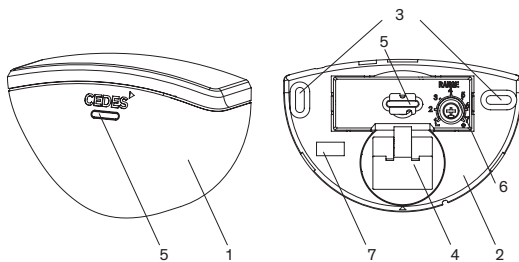
Length	2.2 m
Diameter	Ø 4 mm
Material	PVC, gray
Wires	AWG26
• red	USP / Vcc
• black	GND (0 V) / Vcc
• blue	Output COM
• green	Output NO



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

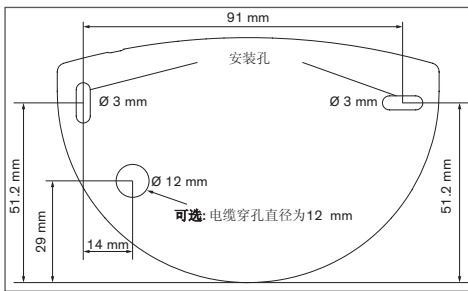
## ► 安装

### 附件包:

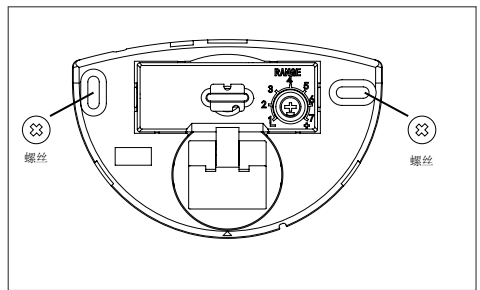
外壳, 带传感器的安装板, 连接电缆, 钻孔模板和安装指导

### 装配准备:

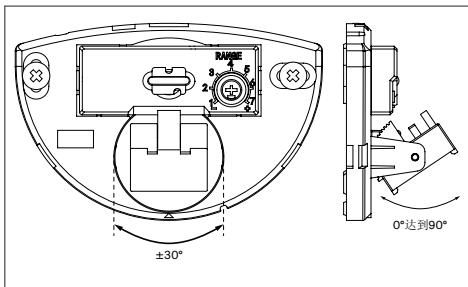
根据钻孔模板钻孔



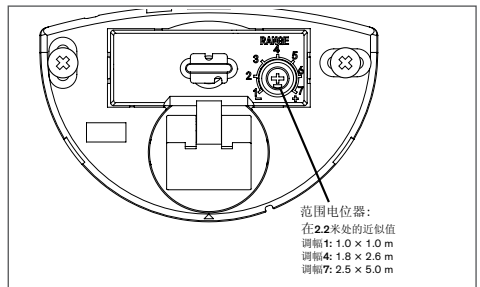
### 安装传感器



### 对准传感器天线



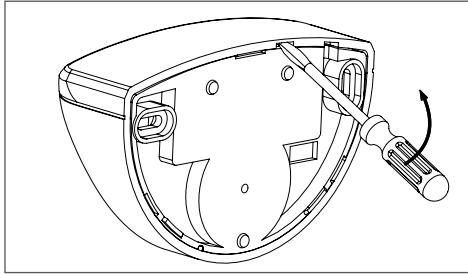
### 设置电位器



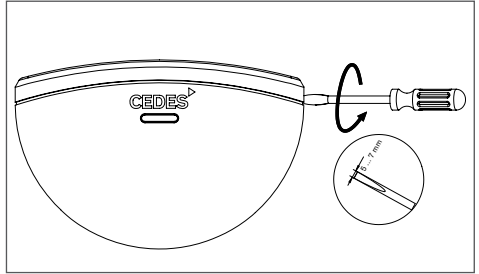
根据连接图, 连接传感器和启动控制单元, 盖好传感器的盖子。

**打开外壳:**

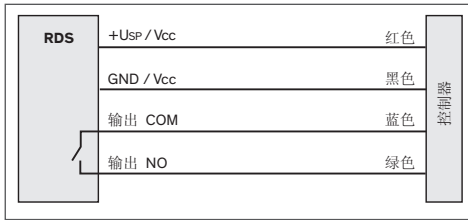
未安装



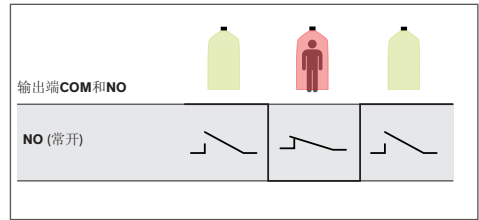
安装后



► **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 <sup>2</sup>
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	ABS, 聚碳酸酯 (PC)
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

**连接电缆**

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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