

Presence Detection Sensor, PolarW

Description

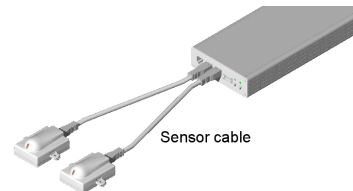
PolarW is a movement detection sensor used for detection of presence on workplaces.

Presence detection area is 2m to 4m from the sensor.
Detection of body movements up to 4m. Detection of hand movements up to 2m.



Connection to control unit

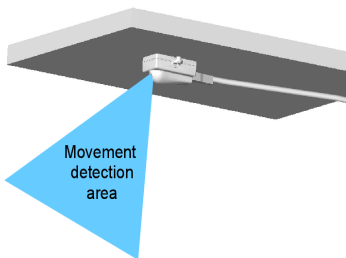
Sensor is connected to control unit with patch cable, RJ45 connectors.
Use unshielded or STP patch cable. Cable length up to 10m.



Mounting of sensors

Place sensor so that the observed area covers the area where movements are to be detected. Typical mounting place is ceiling, door post, floor, rack, furniture.

Before fixing sensor to its position, test sensor coverage area by hand movement in front of sensor. Sensor turns red when movement is detected.



Fix sensor to the surface with screws or Velcro closing, included in the delivery.

When power is turned on, the sensor calibrates itself to the environment. For best performance, avoid movement in proximity of the sensor during the initialization period.

Activation of sensor control

After sensor is connected to the control unit, it needs to be activated. Activation can be done several ways:

- Via product webpage [Default link: <http://192.168.1.222>
- With command via TCP port 60000. Use command **psensor:x-y;**, where x=sensor id and y=sensor state. Example: **psensor:1-1;**
- Via skdPolarW app for Android.

LEDs on control unit indicate sensor and switch state.

- LED no light: Sensor not activated. Switch off.
- LED green: Sensor not activated. Switch on.
- LED orange: Sensor activated. Switch turned on by sensor.
- LED red: Sensor activated. Switch off.