

DETECT SMEa

Installation - Commissioning - Maintenance

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Installation

The presence detector is available in two types, wall mounted or corner mounted. Included at delivery is a 10 m cable for connection to ADAPT Damper. Install the detector between 1,2 to 1,5 meters above floor level to provide the best possible detection, preferably in a spot that enables detection of the whole room. The detector must not be exposed to direct sun light. Note that cable duct is not included at delivery. To achieve best possible detection, install the detector turned horizontally as examples shown in figure 3.

Detection

The presence detector is divided in sectors, 6 placed horizontally and 3 vertically (not shown in figures). For detection to take place, movement between two sectors is required. The further away from the unit this happens, the larger the movement required, as the sectors grow larger with distance. In figure 1, the central sectors are highlighted in green. Sector size corresponds approximately to 1/6 of the value from measurement B.

Occupancy presence sensor – detection area

A*)	B*)	H*)	B/6*)
1,5	2,6	3,0	0,4
2,5	4,5	4,0	0,8
4	7,0	5,6	1,2
6	10	7,6	1,7

B/6 corresponds to the size of a detection sector.

*)Measures are displayed in meters.

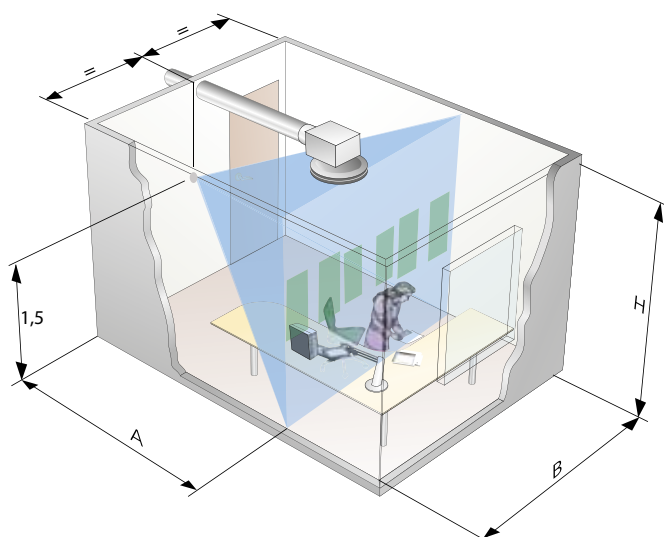


Figure 1. Detection area when mounted 1,5 m above floor level. The presence detector is placed at the middle of the endwall in the room. Max, recommended room depth is 6 m.

Maintenance

Normally maintenance-free. To clean, dust off or wipe with a damp cloth.

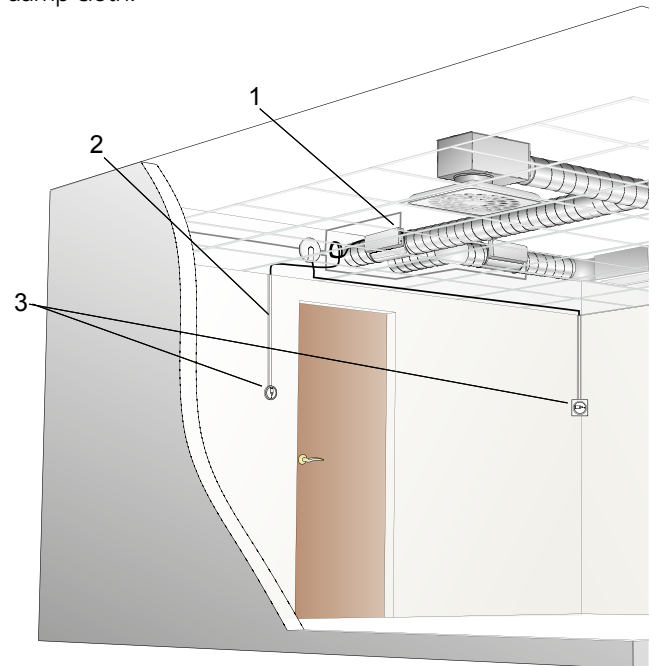


Figure 2. Placement of the presence detector.

1. ADAPT Damper
2. Cable duct min. 10x20 mm (not included in delivery)
3. Presence detector, DETECT SME (wall or corner mounted).

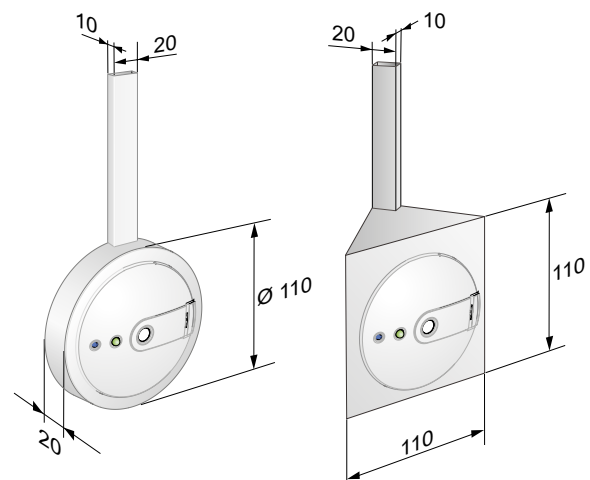


Figure 3. Dimensions, wall mounted and corner mounted type.

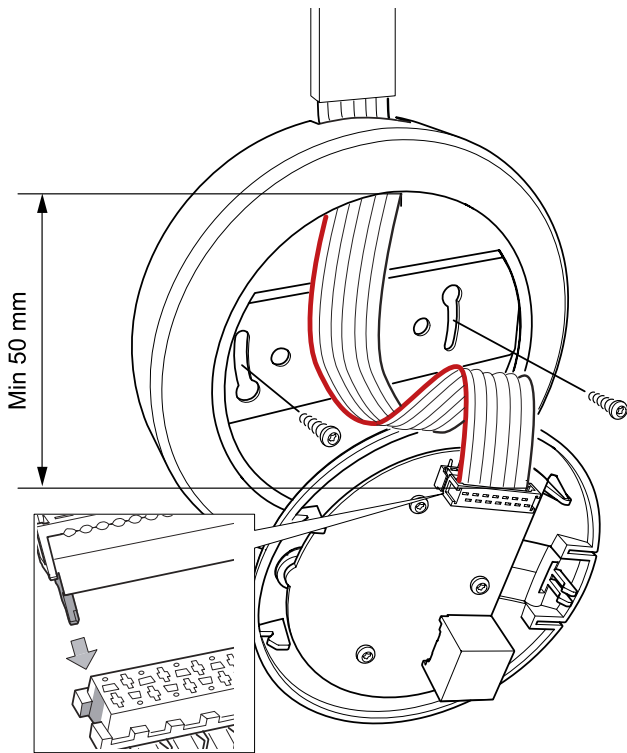


Figure 4. Installing a cable duct and the detector module to a wall. Connect the cable to the socket, ensure that the socket is turned correctly, enabling the plastic pin to fit the track of the receptable socket.

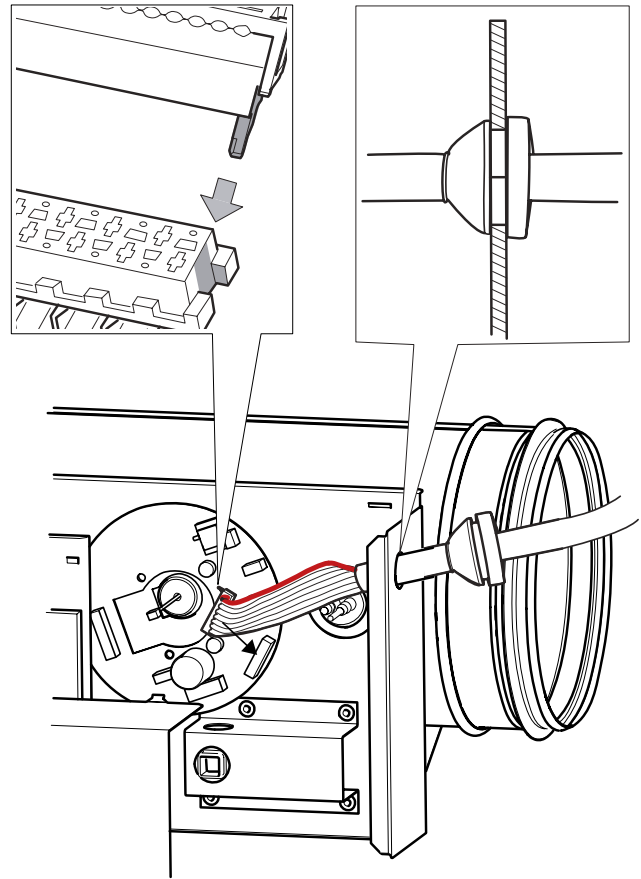


Figure 6. Connection to ADAPT Damper.

1. Press out the knockout to open up the hole on the side.
2. Pull through the cable holding the rubber collet and secure the collet firmly in the hole.
3. Connect the cable to the socket in the circuit board, ensure that the socket pin is placed correspondingly to designated track of the receptable socket.

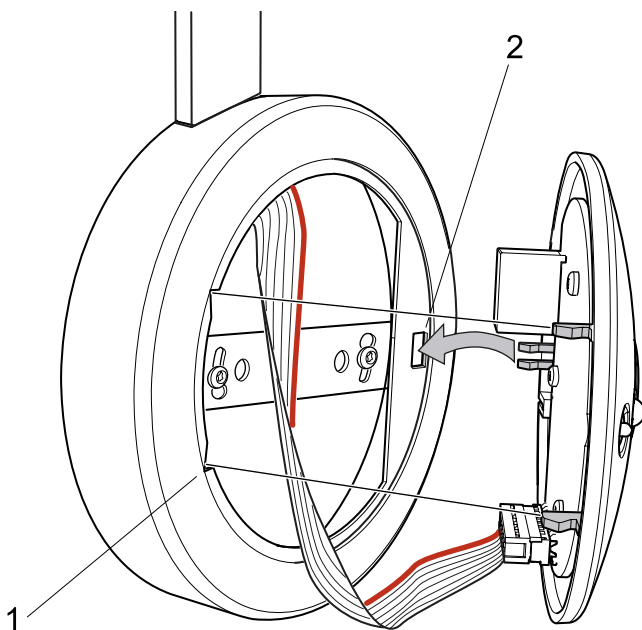


Figure 5. Install the detector cap according to the figure, ensure that the hitches are fitted correctly (1), then snap-on the cap into the designated track (2)

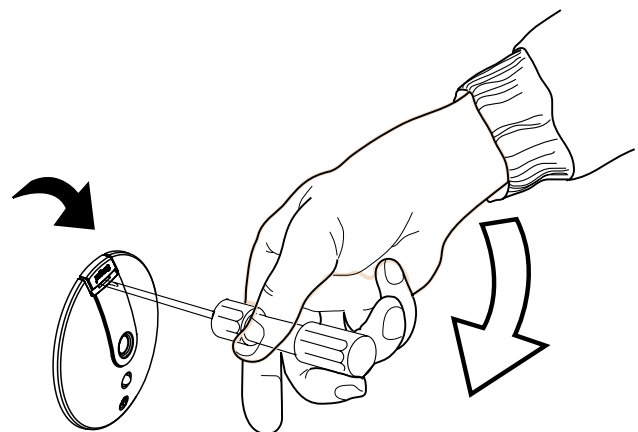


Figure 7. Principle for opening the detector cap. Insert a screwdriver into the the gap next to the Swegon-symbol and bend carefully towards the centre to open.