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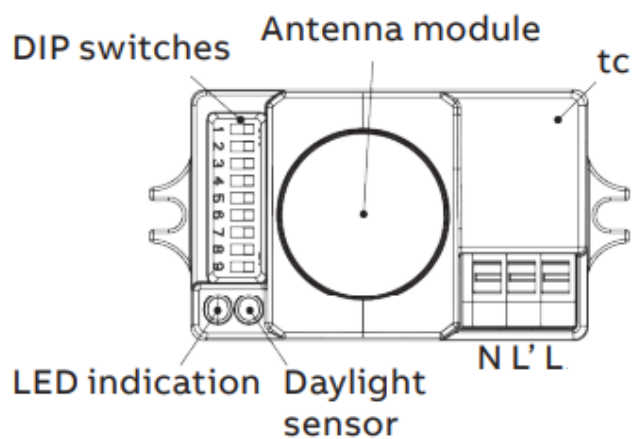
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Stanilite HF5DPf Circular LED Weatherproof Motion Sensor

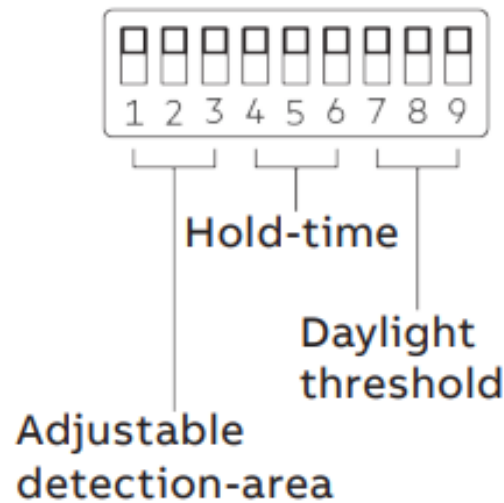


smartSWITCH HF 5DP f



The motion sensor settings provided in this document are only applicable to Tridonic smartSWITCH HF 5DP article number 28002214, which is pre-installed in the ABB motion sensor circular LED luminaire.

Basic information



- When the sensor detects movement, it triggers a predefined motion detection profile in the control gear.
- If the user-definable light value at the integrated light sensor is exceeded, the control gear remains switched off.
- Reflected HF waves (e.g. of walls, floors, ceilings or furniture) from other transmitters affect motion detection.

Setting up

Setting the detection area

- The detection area can be restricted to prevent the lighting system from being switched on unnecessarily, as would be the case if the area were too large.

	1	2	3	Sensitivity	
I	●	●	●	100% (default)	●
II	○	●	●	75%	□
III	○	●	○	50%	□
IV	○	○	●	30%	○
V	○	○	○	10%	

- The detection area indicates the diameter within which motion is detected.

Setting the switch-off delay

- To prevent the lighting system from being switched on and off unnecessarily, you can

set a switch-off delay.

	4	5	6	Hold time
I	●	●	●	5 seconds (default)
II	●	○	●	30 seconds
III	●	○	○	1 min
IV	○	●	●	5 mins
V	○	●	○	10 mins
VI	○	○	●	20 mins
VII	○	○	○	30 mins



- The delay starts after the last motion in the detection area. If a further motion is detected in the detection area during this delay, then the delay is retriggered.
- At the end of the delay, the light will be switched off, or the corridor function will be started.

Setting the daylight threshold value

- A threshold value can be set to prevent the lighting system from being switched on when there is already adequate illuminance.

	7	8	9	Daylight sensor
I	●	●	●	Disable (default)
II	○	●	●	50 lux
III	○	●	○	20 lux
IV	○	○	●	5 lux
V	○	○	○	2 lux



- The threshold value indicates the illuminance value below which detected motion causes the lighting system to be switched on.

Note: To ensure the sensor switches on in conjunction with the corridorFUNCTION you should set the threshold value to 1 = disable. If the threshold values are disabled, the sensor will always switch on. corridorFUNCTION

The corridor FUNCTION can be activated by applying a voltage of 230V for 5 minutes at the switch DIMM connection of the control gear or via the corridor FUNCTION plug.

Note: To apply a voltage of 230V for 5 minutes at the switchDIM input of the control gear, the sensor must detect motion for more than 5 minutes, or a switch-off delay longer than 5 minutes must be set.

Start-up behaviour

20 seconds after the mains is connected to the sensor is ready and indicates this by switching on the green LED.

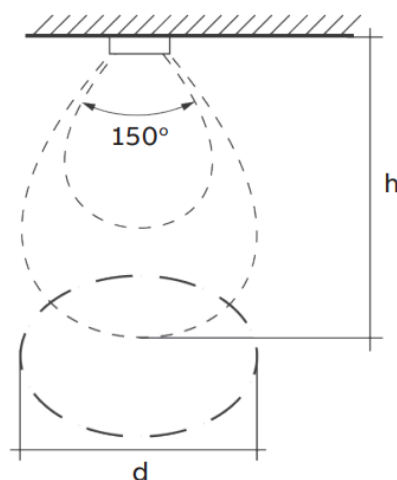
Detection sensibility

Optimised for the detection of pedestrians with a speed of 0.5 – 1.5 m/s, corresponding to 1.8 – 5.4 km/h. Depending on the application and environmental conditions, the maximum detectable speed of an object may vary.

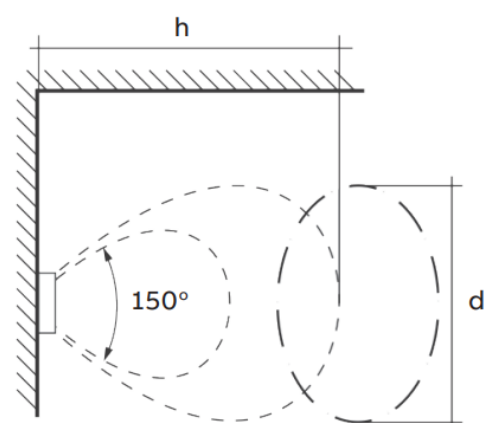
Motion detection

h	d
0.5 m	0.5 m
1.0 m	1.0 m
1.5 m	2.0 m
2.0 m	4.0 m
2.5 m	6.0 m
3.0 m	7.0 m
3.5 m	6.0 m
4.0 m	5.0 m
4.5 m	4.0 m
5.0 m	3.0 m

Ceiling mounted



Wall mounted



Diameter of the detection cone as a function of height at maximum detection area without taking objects in the room into consideration. Stationary objects (walls, tables, floor-standing luminaires, etc) located in the direct view of the sensor change the characteristics of the detection area. The mentioned values are typical minimum values depending on the environment and application; the detection area may increase.

Technical information

For further technical information, please visit www.tridonic.com

FAQs

How can I adjust the sensitivity of the motion sensor?

You can adjust the sensitivity using the DIP switches on the product. The default sensitivity is set at 100%, but you can choose from 75%, 50%, 30%, and 10% options.


What is the purpose of the daylight sensor setting?

The daylight sensor setting helps prevent the lighting system from turning on when there is already sufficient natural light. By setting a threshold illuminance value, you can control when motion triggers the lighting system.

How do I activate the corridor FUNCTION?

Corridor FUNCTION can be activated by applying a voltage of 230V to 5 the switch in the DIM connection of the control gear, or via the corridor FUNCTION plug.

Documents / Resources

	Stanilite HF5DPf Circular LED Weatherproof Motion Sensor [pdf] Instruction Manual HF5DPf Circular LED Weatherproof Motion Sensor, HF5DPf, Circular LED Weatherproof Motion Sensor, Weatherproof Motion Sensor, Motion Sensor
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References

- [User Manual](#)

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Circular LED Weatherproof Motion Sensor, HF5DPf, HF5DPf Circular LED Weatherproof Motion Sensor, Motion Sensor, Stanilite, Weatherproof Motion Sensor

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