smartSWITCH HF SDP f
The motion sensor setting provided in this document are only applicable to Tridonic smartSWITCH HF SDP f article number 28002214, which is pre-installed in 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 being switched on unnecessarily, as would be the case if the area were too large. The detection area indicates the diameter within which motion is detected.

Setting the switch-off delay
- To prevent the lighting system being switched on and off unnecessarily you can set a switch-off delay. 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 corridorFUNCTION is 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. 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 value disabled the sensor will always switch on.

corridorFUNCTION
The corridorFUNCTION can be activated by applying a voltage of 230V for 5 minutes at the switchDIM connection of the control gear or via corridorFUNCTION 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 mains is connected to the sensor is ready and indicates this by switching on the green LED.

Detection sensibility
Optimised for detection of pedestrians with a speed of 0.5 - 1.5 m/s corresponds to 1.8 - 5.4 km/h.
Depending on the application and environmental conditions the maximum detectable speed of object may vary.

Motion detection
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