The user manual refer to the following devices：
SATION-SS3006.0101

Copyright Clarify

Version

Version	Release Date	Remark
V1.0	Dec 11st ,2020	1st Release
V1.1	Mar 20, 2022	Add 24GHz Detection

Notice

1. Please read this user manual carefully before using the product.
2. This product is used in indoor environment and installed in electrical control box.
3. Please install this product in a dry and ventilated place.
4. Before power on, please confirm the input voltage according to the manual; after power on, please confirm the normal output Voltage before connecting to the control bus.
5. Please make sure the secure shell is in good condition, if the shell is damaged, please stop using to avoid accident.
6. This product is NOT a toy, please make sure it is out of children touch.
7. Only be suitable for EIB/KNX system bus.
8. Others:
   The below sign indicates this product can't be dealt as ordinary family rubbish, in order to avoid the possible environment and human health harm caused by the electrical waste, this product must follow recovery processing. Please contact the local recycling department after this product is scrapped, to make sure it can go as the right waste processing procedure.

KNX Biological Presence Detector User Manual

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1. Technical Parameters

Bus Power supply	DC21~31V
Aux Power supply	DC12~30 V
Current	< 15mA
Power consumption	<450mW
Prog Button	Press inner cover of sensor
LED indicator	Red Light
Motion Detection	8-10Meters in Diameter(Height 3M)
Micro-movement	8-10Meters in Diameter(Height 3M)
Breath Detection	6-8Meters in Diameter(Height 3M)
Sensitivity Adjustable	Level 10
Installation Height	2.5-3Meters
Installation	Recess Mount
Lux Range	1 lux~60k lux
Working Temperature	-5℃~+45℃
Storage Temperature	-25℃~+55℃
Temp. During Transport	-30℃~+70℃

2. Function Overview

KNX biological presence detector adopts living detection technology, which can accurately detect movement,fretting and breathing signal, to achieve real presence detection.

The KNX biological presence detector has a built-in Lux sensor, which can automatically control the load according to the environmental illuminance value.

The detection sensitivity is divided into 10 levels (level 1 ~ level 10). Control options include one light group and one HCV channel, separate control objects for day and night, master-slave function, support for backup light or indicator control, etc. The HCV channel can signal the heating equipment, air conditioning, ventilation equipment and shutter control of the room, etc., to achieve comprehensive control in a small area.

Main Functions:
* Lux range: 1 lux ~ 60k lux
* Day/night control mode can be configured independently and can be switched externally
* Monitor 3 types output data, such as switch value, dimming value and scene value.
* Working mode: manual, automatic/semi-automatic
* Support to set the threshold value of load brightness
* Supports motion detection with 1~10 levels of sensitivity
* Support to set load working cycle and idle cycle.
* Support master and slave detectors
* Support Lux value output function, its value can be sent periodically
* Support brightness change output switch function
* Lux values can be calibrated externally and internally.

Notice
* Movement Signal: Large-scale movement of the body, used for induction triggering.
* Micro-motion signal: The sensor detects tiny movements of the body in real time.
* Breathing signal: In the absence of micro-motion signal, the sensor detects the breathing signal
* LED feedback can be configured (default activated), and the normal cycle is 30 seconds to flash once in a human environment.
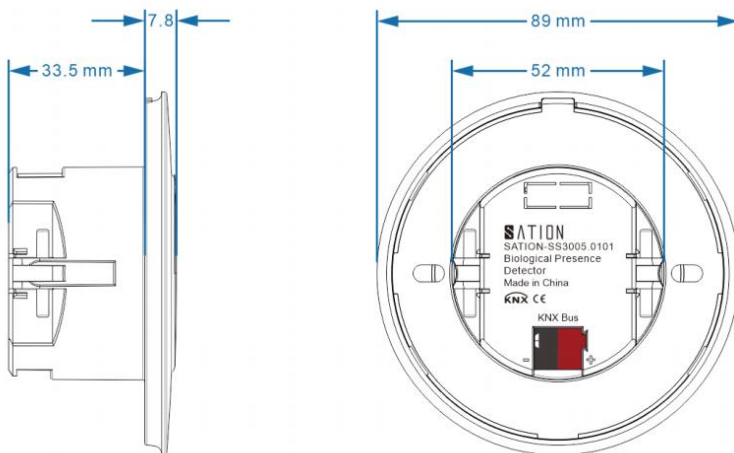
3. Detection schematic

■ Walk(Speed 0.3M/S)   ■ Micro-motion   ■ Breathing
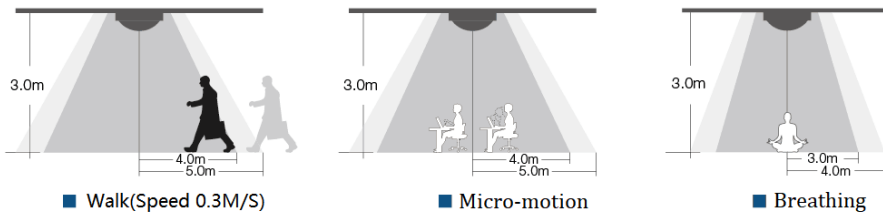
4. Wiring
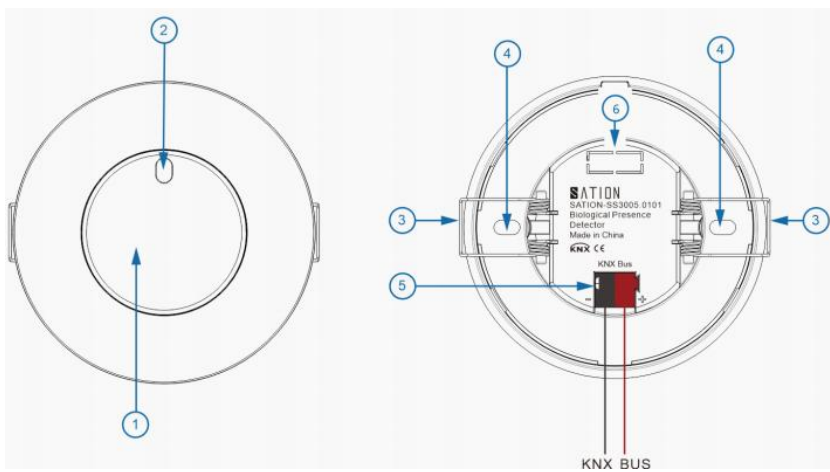
1. Programming button   2. Lux sensor and Led indicator
3. Mounting ring   4. Screw fixing holes
5. KNX terminal   6. Aux Power supply

5. Dimension

6. Precautions

1) The sensor enters self-test mode when first power on, which take around 20S, In this mode, sensor do not detect movement.

2) The sensor should be kept away from substances with high medium density such as large-area metal plates and glass as far as possible

3) Avoid using objects that vibrate for a long time around the sensor, such as shaking head fans, etc.

4) Avoid invalid light sources irradiating the detector's Lux sensor.

5) The microwave sensor has a certain ability to penetrate building wall, Microwaves may cause false alarms when there are moving objects outside the fortified area. In order to avoid false triggering, pay attention to the select installation location and the appropriate detection scope.