KNX Indoor Microwave Sensor

Datasheet

KE.SNR0502

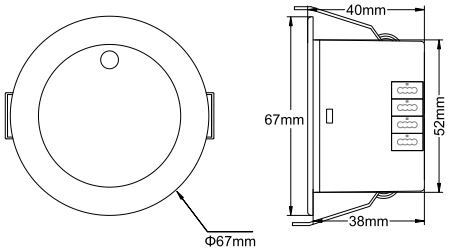
Function

(1) Illuminance sensing function;
(2) Micro-motion/motion detection function;
(3) Adjustable sensitivity for motion detection;
(4) Networking function with master-slave sensor control;
(5) Illuminance sensing function with three types of output data (data output types), values transmitted cyclically;
(6) Motion monitoring function with three types of output data, values transmitted cyclically;
(7) LED indicator function for ON/OFF status;
(8) Threshold (setting) function;
(9) Function to disable illuminance and motion detection.

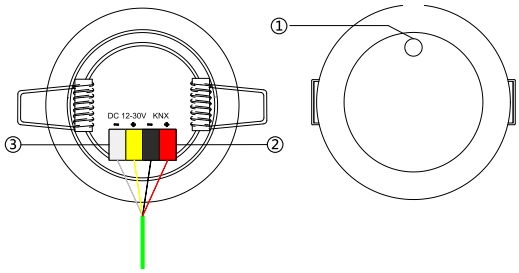
Parameters

Bus voltage:	21-30 VDC, KNX bus power
Bus current:	< 12mA
Bus power:	< 360mW
Auxiliary voltage:	24V DC
Auxiliary current:	< 33mA
Auxiliary power:	< 792mW
Transmission Frequency:	24-24.25GHz
Transmit Power:	15dBm (max)
Cutout dimensions:	Φ53mm ≤ d ≤ Φ55mm
Illuminance:	0-65535LUX
Inductive distance:	Motion sensing radius: 1.5-2.5 m Micro-motion detection radius: 1-2 m
Dimensions:	Height = 40mm, Diameter = 67mm
Installation method:	Ceiling-mounted recessed installation
Shell material:	ABS
Weight:	About 0.1 kg
Working temperature:	-5°C...+45°C
Storage temperature:	-25°C...+55°C
Transportation temperature:	-25°C...+70°C

Dimension



Wiring



①Integrated illuminance sensor and programming button:

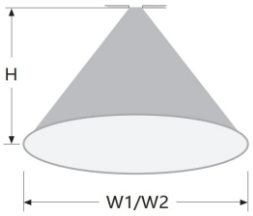
- Green LED flashing: Indicates radar has detected human presence;
- Red LED steady on: Device is in programming mode;

② Programming indicator, the indicator lights up red to enter the programming state;

③ Auxiliary power supply terminal;

④ KNX bus terminal.

Induction Diagram



(1) Installation height H: range size 2.5m~3m, recommended value: 3m;
(2) Micro-motion Detection Distance W1: 2m- 4m
(3) Motion Detection Distance W2: 3m- 5m

Installation

This device is designed for ceiling-mounted flush installation, with a diameter D = 67 mm and height H = 40 mm. The recommended cutout diameter for mounting is 53-55mm, in order to facilitate the rapid installation of the equipment, it is necessary to ensure that the equipment is operated, tested, tested, and maintained correctly.

Safe use and maintenance

(1) Read all instructions carefully before use.
(2) Create a well-ventilated environment.
(3) During use, pay attention to moisture, shock and dust prevention.
(4) Do not expose to rain, other liquids or corrosive gases.
(5) If the machine is damp or invaded by liquid, it should be dried in time.
(6) If the machine fails, please contact professional maintenance personnel or our company.