KNX Four-in-one Sensor (Embedded)

Datasheet

KE. SNR0304

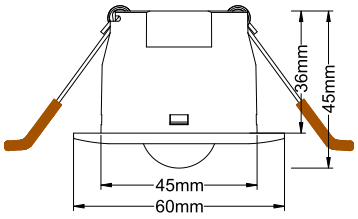
Function

(1) Cyclic output function for illuminance, temperature and humidity values;
(2) Illumination, temperature, humidity control each two channels, can output 1bit, 4bit, 1byte data;
(3) Infrared movement trigger control function;
(4) Temperature change trigger control function;
(5) Humidity change trigger control function;
(6) Infrared movement and brightness logic function;
(7) Master-slave function of infrared movement;
(8) Integrated control function for IR motion sensing and illumination sensing;
(9) Enable or disable the channel control output function of illumination and infrared movement by the object.
(10) Illumination and movement are used in combination to jointly controlthe function of the light;
(11) Temperature and humidity can be used together to control the air-conditioning on/off;
(12) Infrared movement, illumination, temperature and humidity four-in-one sensor.

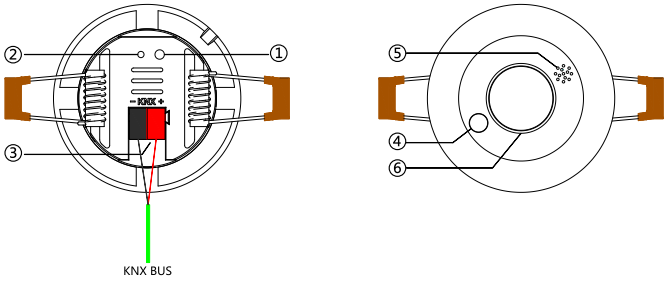
Parameters

Bus voltage:	21-30 VDC, KNX bus power
Bus current:	≤ 12mA
Bus power:	≤ 360mW
Inductive distance:	Installation height: 2.5m to 3m
	Radiation range: 5m to 7m
Dimensions:	Height = 45mm, Diameter = 60mm
Cutout dimensions:	Φ 46mm ≤ d ≤ Φ 52mm
Installation method:	Ceiling-mounted recessed installation
Shell material:	ABS
Weight:	About 50g
Working temperature:	-5°C...+45°C
Storage temperature:	-25°C...+55°C
Transportation temperature:	-25°C...+70°C
Relative humidity:	Max 90%

Dimension

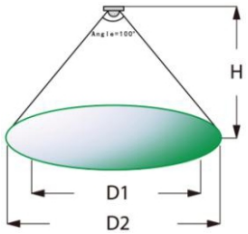


Wiring



① Programming button, the button is used to enter/exit KNX programming mode;
② Programming indicator, the indicator lights up red to enter the programming state;
③ KNX bus terminal, red wire connects to "+", black wire connects to "-"
④ Illumination sensor, for illumination detection;
⑤ Temperature and humidity sensor, for temperature and humidity detection;
⑥ Infrared motion sensor, for infrared motion detection.

Induction Diagram



(1) Installation height H: range size 2.5m~3m, recommended value: 2.7m;
(2) High sensitivity range D1: 4m~5m;
(3) Maximum sensing range D2: 5m~7m.

hstallation

The equipment is installed in the form of ceiling-mounted recessed installation, the cutout diameter d ranges from Φ 46mm to Φ 52mm, with the installation orientation perpendicular to the floor, 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.