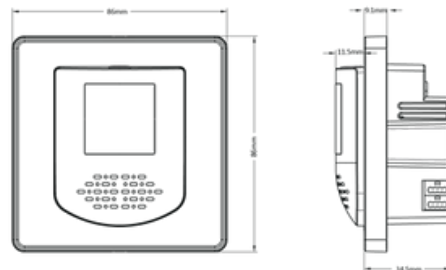


EIB/KNX Integrated environmental sensor(All-in-one)

Specification

Applicable Model:

TLIOT-EVSWM MSB



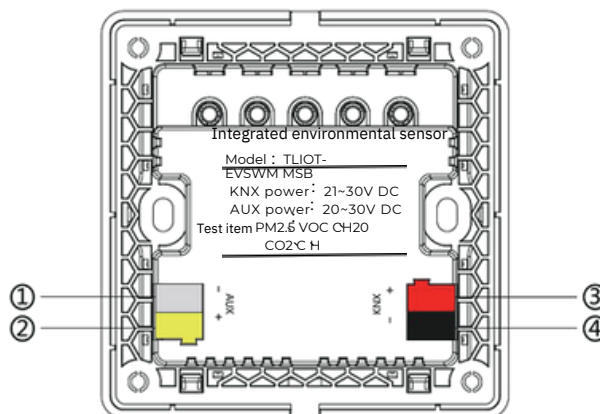
KNX international standard home and building control system

Model	Dimension	Weight
TLIOT-EVSWM MSB	86x86x45mm	0.3kg

Product Features

1. PM25, PM10 pollution particle concentration detection display
2. Temperature and humidity detection display
3. Air Quality Index (AQI) level detection display
4. Atmospheric organic compounds (VOC) detection display
5. Formaldehyde (CH2O) detection display
6. Carbon dioxide (CO2) detection display
7. Airquality level control
8. Control of air quality pollution level
9. Heating or cooling control
10. Control of humidity levels
11. VOC exceeding standard control
12. Formaldehyde (CH2O) excessive control
13. Carbondioxide (CO2) excessive control

Wiring Diagram



Technical parameter

Power	- Operating voltage	21~30V DC
	- Auxilliary voltage	12-30V DC
Output	- EIB/KNX power consumption	Max. 360mW
	- EIB/KNX current	Max. 12mA
Current Connection	- power consumption -Max.	<1.5W
	- Bus connection terminal (black & red)	Bus connection terminal (yellow & white)
Operation and Instructions	- Red LED & button	Assigning physical Addresses
	- Green led blink	Indicates that the device
Design	- Standard 86 box wall mount application layer is working properly	...
	- Operation	...
Temperature range	- Storage	-5 °C ~ 25 °C ~ 55 °C
Environmental conditions	- Transportation	-25 °C ~ +70 °C ~ 45 °C
	- Humidity	<80%, except condensation
Humidity	- Range	40 °C ~ +80 °C
	- Resolution	0.1 °C
Temperature Accuracy error	- Range	0.5 °C
	- Range	0 ~ 100% RH
Humidity	- Resolution	1%
	- Accuracy error	3% RH
Particle Concentration Sensing	- Measurement range	0-799 µg/m³
	- Counting efficiency	50% @ 0.3 µm 98% @ >= 0.5 µm
TVOC	- Response time	≤ 10s
	- Range and resolution	0-1000 PPB 1
CH2O	- Range and resolution	0-400 PPB 1

Instruction

①、②：KNX/EIB auxiliary power

③、④：KNX/EIB bus

Installation Notes

In order to facilitate quick installation in a distribution box or small box, this device is designed as a modular installation device according to the EN60715 series and can be installed in a standard 86-box wall mount during installation, it is necessary to ensure that the equipment is operated, tested, inspected, maintained, and repaired correctly.

Main Tips

Installation and commissioning of the equipment may only be performed by qualified and skilled electricians. Relevant standards, directives, rules and instructions must be strictly followed during the planning and implementation of electrical installations.

- Devices need to be protected from moisture, dirt, and damage during transportation, storage, and use.
- Do not operate the device outside specified specifications (eg. temperature range).
- The device can only be operated in a closed environment (eg. distribution box)

When the device is dirty, only use a dry cloth to clean it. If this is not enough to clean it, use a damp cloth with a little soap solution and wipe it gently. Never use alkalis or corrosive solvents.