

LETOUR

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

Applicable Model:
LY/C0025413T

KNX international standard home and building control system

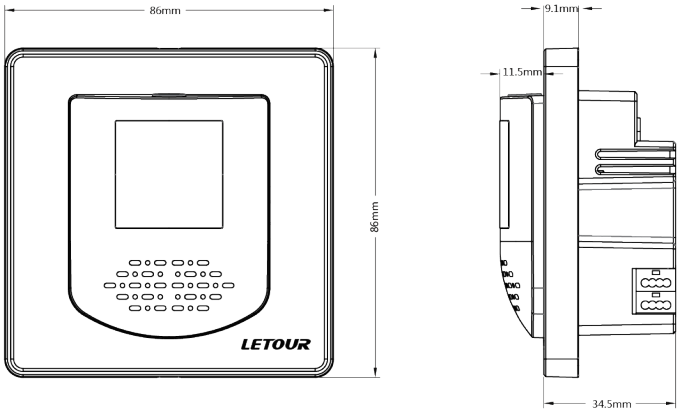
Product Features

- PM25, PM10 pol lution particle concentration detection display
- Temperature and humidity detection display
- PM2.5, PM10 pollution particle concentration, temperature, humidity and other parameters are uploaded to the bus
- Air Quality Index (AQI) level detection display
- Airquality level control
- Display of air quality pollution level and linkage alarm
- Heating or cooling control
- Control of humidity levels
- Three logic control functions

Technical Parameter

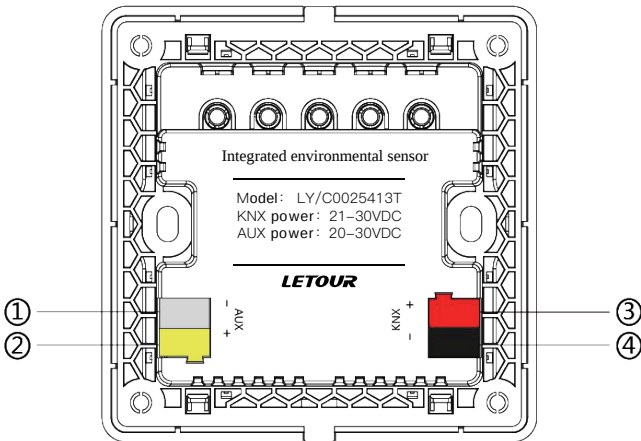
Power	—EIB/KNX Voltage	21-30VDC, obtained by bus
	—Auxiliary supply voltage	12-30VDC
Output	—EIB/KNX power consumption	Max. 360mW
	—EIB/KNX curent consumption	Max. 12mA
Current	—Max. power consumption	< 1.5W
Connection	—EIB/KNX	Bus connection terminal (black& red)
	—Auxiliary power supply	Bus connection terminal (yellow & white)
Operation & Instruction	—Red LED & button	Assigning physical Addresses
	—Green Led blink	Indicates that the device application layer is working properly
Design	—Standard 86 box wall mounted	
Temperature Range	—Operation	—5°C...+45°C
	—Storage	—25°C...+55°C
	—Transportation	—25°C...+70°C
Envirnmental Condition	—Humidity	<80%, except condensation
Temperature	—Range	—40°C...+80°C
	—Resolution	0.1°C
	—Accuracy error	0.5°C
Humidity	—Range	0...100%RH
	—Resolution	1%
	—Accuracy error	3%RH
Particle Concentration Sensing	—Measurement range	0-799 µg/m³
	—Counting efficiency	50%@0.3um 98%@≥0.5um
	—Accuracy error	≤10s
TVOC	—Range and resolution	0-1000PPB
CH2O	—Range and resolution	0-400PPB
CO2	—Range and resolution	400–5000PPM

Dimension



Model	Dimension	Weight
LY/C0025413T	86x86 x45mm	0.3kg

Wiring Diagram



Instruction

- ①、②： KNX/EIB auxiliary power
- ③、④： KNX/EIB bus

Installation Notes

In order to faciliate 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 astandard 86-box wall mount during installation,it is necessary to ensure that the equipment is operated,tested, inspected, maintained, and repaired correctly.

Main Tips

Instalation 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 specifieds pecifications (eg. temperature range).
- The device can only be operated in a closed environment(eg distibution box)

When the device is dirty, only use a dry cloth to clean it. If this is not enough to clean it, use a dampclothwith a little soapysolution and wipe it genty. Never use alkalis or corrosive solvents.