



Wireless motion, temperature and lighting environmental sensor

- Perfect integration into BEMS / BMS systems
- Powered by 12 VDC
- Input for dry contact
- Suitable for wall or ceiling mounting

KET-TLP-105

Applications

Building management system

Versius

KET-THL-305

KET-AIR-200

Accessories

KET-PSA-230.012.005.C

KET-TLP-105 is an **environmental sensor capable of detecting the movement of people** within a radius of about 3-4 meters. The built-in **double light sensor** allows you to limit the lighting of lights only below a certain lighting threshold that can be set remotely. The temperature sensor completes the characteristics of the device.

The **wireless transmission avoids the wiring costs** by allowing the sensor to be installed even on the ceiling.

The dry contact input can be used for connecting door / window contacts, PIR sensors or control buttons.

Designed to easily integrate into supervision and energy management systems (BMS / BEMS). Designed for **professional use**, it supports firmware updating remotely or locally and rapid charging during service. Suitable for use in public environments supports keyboard lock.

Technical Features

General specifications	Protection Range: IP40 Operative Temperature: -10 ÷ +60 °C Storage Temperature: -15 ÷ +60 °C Relative Humidity: MAX 80% not condensing
Case	Dimensions: 100 x 100 x 22.5 mm (W x H x D) Mounting: Wall mounted with supplied plate Material: ABS, self extinguishing: UL 94 V-0
Power supply	Supply Voltage: 12 VDC Connectors types: Removable spring clamps
Digital inputs	Channels: 1 for dry contact with detection time at contact variation of about 50ms.
Radio module	Supported Protocols: X-Monitor Protocol (X-MP) / IEEE 802.15.4 Radio Frequency: 2.4 GHz Output Power: +3 ÷ +20 dBm Sensitivity: -101 dBm Antenna Type: 1 internal Max Distance (Free Air): Over 600 m
Functionality	Radio Signal Indicator: Integrated (LinkQuality) Output Power Adjustment: From local menu and remotely Firmware Upgrade: via USB C connector Support for public environment: Anti-removal support, keyboard lock
Temperature sensor	Sensor Type: NTC or digital (Only .TH version) Measure Range: -40 ÷ +123.8 °C Precision: ±0.4 ÷ 25 °C Repeatability: ±0.1 °C Resolution: ±0.01 °C
Humidity sensor	Version: Only .TH version Measure Range: 0 ÷ 100%RH Precision: ±3%RH from 20 to 80%RH Repeatability: ±0.1%RH Resolution: ±0.03%RH Hysteresis: ±1%RH Long Period Stability: <0.5%RH/year
Light sensor	Number of sensors: 2, on front and on top Measure Range: 10 ÷ 1000 Lux Response Curve: Similar to that of the human eye
Motion sensor	Measurand: Up to 4 m; Recommended 0 ÷ 3.5 m Viewing Angle: =100° cone angle, distance =4m

