



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

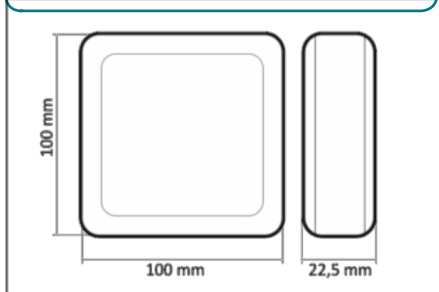
KET-TLP-105

Applications

Versius

KET-THL-305

KET-AIR-200



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: $-10 \div +60 \text{ }^\circ\text{C}$ Storage Temperature: $-15 \div +60 \text{ }^\circ\text{C}$ 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: $+3 \div +20 \text{ dBm}$ 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: $-40 \div +123.8 \text{ }^\circ\text{C}$ Precision: $\pm 0.4 \div 25 \text{ }^\circ\text{C}$ Repeatability: $\pm 0.1 \text{ }^\circ\text{C}$ Resolution: $\pm 0.01 \text{ }^\circ\text{C}$
Humidity sensor	Version: Only .TH version Measure Range: $0 \div 100\% \text{RH}$ Precision: $\pm 3\% \text{RH}$ from 20 to 80%RH Repeatability: $\pm 0.1\% \text{RH}$ Resolution: $\pm 0.03\% \text{RH}$ Hysteresis: $\pm 1\% \text{RH}$ Long Period Stability: $< 0.5\% \text{RH/year}$
Light sensor	Number of sensors: 2, on front and on top Measure Range: $10 \div 1000 \text{ Lux}$ Response Curve: Similar to that of the human eye
Motion sensor	Measurand: Up to 4 m; Recommended $0 \div 3.5 \text{ m}$ Viewing Angle: $= 100^\circ$ cone angle, distance = 4m