



# 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

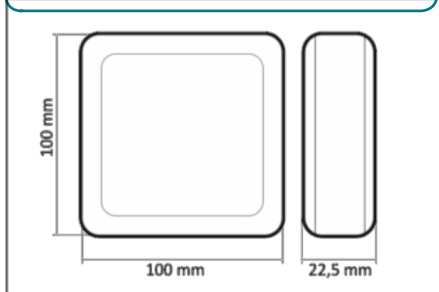
## KET-TLP-105

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