kerberos

IP40 X- MONITOR



KET-TLP-105

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 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.

Applications

Building management system

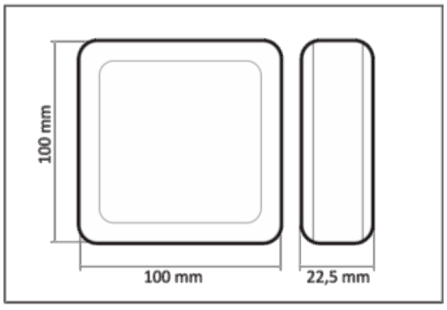
Versius

KET-THL-305

KET-AIR-200

Accessories

KET-PSA-230.012.005.C



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-O
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