## KET-TLP-105



APPLICATIONS	
Air Quality	
Building management system	

VERSIONS		
KET-THL-305		
KET-AIR-200		



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## 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.

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 Consumption: Connectors types: Removable spring clamps	
DIGITAL INPUTS	Channels: 1 for dry contact with detection time at contact variation of about 50ms. Digital Inputs:	
RADIO MODULE	Supported Protocols: X-Monitor Protocol (X-MP) / IEEE 802.15.4 Radio Frequency: 2.4 GHz Output Power: 43 ÷ 420 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 User menu: 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: ±0.19%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 Brightness: Viewing Angle: =100° cone angle, distance =4m Response Time:	

