kerberos

5-12 VDC



Presence, temperature and light environmental sensor with ModBUS interface

KET-TLP-110

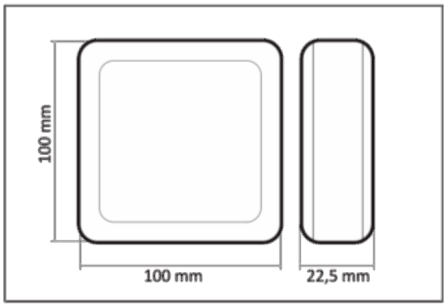
- **Perfect integration into BEMS / BMS systems**
- **12 VDC power supply**
- **Input for dry contact**
- **Suitable for wall or ceiling mounting**

Applications

Building management system

Versius

KET-AIR-210



KET-TLP-110 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 **ModBUS** interface allows the connection of the KET-TLP-110 to **SCADA** systems, programmable logic and standard monitoring systems.
The dry contact input can be used for connecting door / window contacts, PIR sensors or control buttons.
Designed to easily integrate into energy supervision and management systems (BMS / BEMS).

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**: 5 ÷ 12 VDC **Connectors types**: Removable spring clamps
Rs485 interface	**Supported Protocols**: ModBUS RTU Slave **Communication Rate**: 9.6, 19.2, 38.4 o 57.6 Kpbs **Connectors types**: Removable spring clamps
Digital inputs	**Channels**: 1 for dry contact with detection time at contact variation of about 50ms.
Functionality	**Output Power Adjustment**: From remote **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