kerberos

5–12 VDC



Wireless infrared remote control for controlling air conditioners and heat pumps

- **Large library of supported devices**
- **IR receiver for acquisition of custom commands**
- **Supports multiple devices simultaneously**
- **Perfect integration into BMS / BEMS systems**

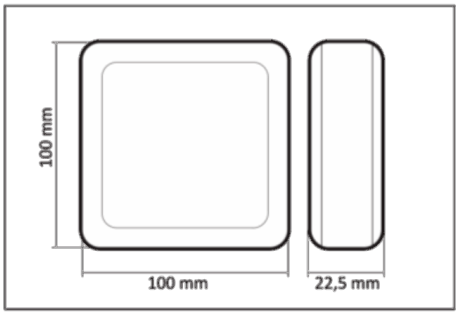
KET-WIR-100

Applications

Building management system

Accessories

KET-PSA-230.012.005.C



KET-WIR-100 is an **infrared remote control** capable of controlling a wide range of air conditioners and heat pump systems. Using KET-WIR-100 it becomes simple to integrate cooling or heating elements in building energy management systems (BMS / BEMS). Management can be direct or intermediated by the supervision system.
Suitable for use in public environments supports keyboard lock and limitation of active functions.

Technical Features

General specifications	**Protection Range**: IP40 **Operative Temperature**: -10 ÷ +60 °C **Storage Temperature**: -20 ÷ +70 °C **Relative Humidity**: MAX 85% not condensing
Case	**Dimensions**: 100 x 100 x 22.5 mm (W x H x D) **Mounting**: Panel mounting with supplied supports **Material**: ABS, self extinguishing: UL 94 V-O
Power supply	**Supply Voltage**: 5 ÷ 12 VDC **Connectors types**: Removable spring clamps
Ir interface	**Max distance**: 3 m **Learning mode**: Supported **Supported devices**: Available on web site (use QR Code for quick access)
Digital inputs	**Channels**: 1 for drycontact
Radio module	**Supported Protocols**: X-Monitor Protocol (X-MP) / IEEE 802.15.4 **Radio Frequency**: 2.4 GHz **Output Power**: +20 dBm **Sensitivity**: -101 dBm **Antenna Type**: Internal **Max Distance (Free Air)**: Over 600 m
Functionality	**Radio Signal Indicator**: Integrated (LinkQuality) **Output Power Adjustment**: From local menu and remotely **Firmware Upgrade**: Over The Air and via USB C connector **User menu**: Thermostat function with temperature summer / winter mode, comfort / saving / off mode, air speed setting, (only .TS version) **Support for public environment**: Anti-removal support, keyboard lock and active function limitation
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**: ±0.03%RH **Resolution**: ±1%RH **Hysteresis**: ±1%RH **Long Period Stability**: <0.5%RH/year