# KET-WIR-100

**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** 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.

| APPLICATIONS |
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| Air Quality |
| Building management system |

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| TECHNICAL FEATURES | |
|---|---|
| GENERAL SPECIFICATIONS | **Protection Range**: IP40<br>**Operative Temperature**: -10 ÷ +60 °C<br>**Storage Temperature**: -20 ÷ +70 °C<br>**Relative Humidity**: MAX 85% not condensing |
| CASE | **Dimensions**: 100 x 100 x 22.5 mm (W x H x D)<br>**Mounting**: Panel mounting with supplied supports<br>**Material**: ABS, self extinguishing: UL 94 V-O |
| POWER SUPPLY | **Supply Voltage**: 5 ÷ 12 VDC<br>**Consumption**:<br>**Connectors types**: Removable spring clamps |
| IR INTERFACE | **Max distance**: 3 m<br>**Learning mode**: Supported<br>**Supported devices**: Available on web site (use QR Code for quick access) |
| DIGITAL INPUTS | **Channels**: 1 for drycontact<br>**Digital Inputs**: |
| RADIO MODULE | **Supported Protocols**: X-Monitor Protocol (X-MP) / IEEE 802.15.4<br>**Radio Frequency**: 2.4 GHz<br>**Output Power**: +20 dBm<br>**Sensitivity**: -101 dBm<br>**Antenna Type**: Internal<br>**Max Distance (Free Air)**: Over 600 m |
| FUNCTIONALITY | **Radio Signal Indicator**: Integrated (LinkQuality)<br>**Output Power Adjustment**: From local menu and remotely<br>**Firmware Upgrade**: Over The Air and via USB C connector<br>**User menu**: Thermostat function with temperature summer / winter mode, comfort / saving / off mode, air speed setting, (only .TS version)<br>**Support for public environment**: Anti-removal support, keyboard lock and active function limitation |
| TEMPERATURE SENSOR | **Sensor Type**: NTC or digital (Only .TH version)<br>**Measure Range**: -40 ÷ +123.8 °C<br>**Precision**: ±0.4 ÷ 25 °C<br>**Repeatability**: ±0.1 °C<br>**Resolution**: ±0.01 °C |
| HUMIDITY SENSOR | **Version**: Only .TH version<br>**Measure Range**: 0 ÷ 100%RH<br>**Precision**: ±3%RH from 20 to 80%RH<br>**Repeatability**: ±0.03%RH<br>**Resolution**: ±1%RH<br>**Hysteresis**: ±1%RH<br>**Long Period Stability**: <0.5%RH/year |

No Information

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