⋊ kerberos

5-12 VDC

KET–WIR–100

Applications

Building management system

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.

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 **Consumption**: **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 **Digital inputs**:
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