



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