



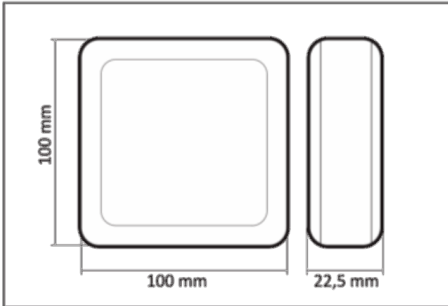
# Wireless infrared remote control for controlling air conditioners and heat pumps

- 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

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