kerberos

KET-RMB-210

Amplified Wireless Repeater

- **Compact size**
- **Extended radio range**
- **Wide-ranging power supply flexibility**
- **Wall or DIN rail mounting**

The **KET-RMB-210**, together with the Gateway and the nodes with integrated Repeater functionality, provides the **network infrastructure** necessary for the correct transmission of data collected by wireless sensors.
The ZigBee™ standard guarantees high reliability and resistance to interference, while the high sensitivity of the radio module can reach distances of **over 1000 m** in free air.
The standard antenna connector supports 90° joint antennas or wired ones for placement outside the electrical panel.
Thanks to increased power, this device reduces the total number of nodes in the network.

Applications

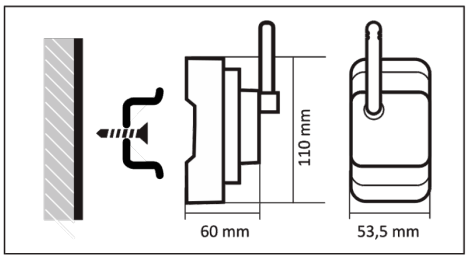
- Monitoring consumption
- Building management system
- Smart city
- Accounting
- Thermoregulation

Versius

- KET-RMB-220

Accessories

- KET-ANT-203
- KET-ANT-300.S
- KET-ANT-204



Technical Features

General specifications	**Protection Range**: IP50 **Operative Temperature**: -20 ÷ +60 °C
Case	**Dimensions**: 53,5 x 110 x 61 mm (W x H x D) **Mounting**: Wall mounting or on DIN rail with supplied supports **Required DIN modules**: 3 DIN modules **Electric Board Type**: Industrial **Material**: Blend PC/ABS sel extinguishing UL94-VO
Power supply	**Supply Voltage**: 12 ÷ 24 VDC, 12 ÷ 20 VAC; 230 VAC with integrated power supply **Consumption**: < 1.5 W @ 12 ÷ 20 VAC / < 1.5 W @ 12 ÷ 24 VDC / < 1.5 W @ 230 VAC **Connectors types**: Screw terminal
Radio module	**Supported Protocols**: X-Monitor Protocol (X-MP) / IEEE 802.15.4 / ZigBee™ Pro 2.0 **Radio Frequency**: 2.4 GHz ISM Band **Output Power**: +3 ÷ +20 dBm **Sensitivity**: -104 dBm **Antenna Type**: RPSMA connector, 90° antenna supplied **Max Distance (Free Air)**: Over 1000 m
Functionality	**Radio Signal Indicator**: Integrated (LinkQuality) **Output Power Adjustment**: From local keyboard and remotely **Firmware Upgrade**: Via radio