



# KET-RMB-210.S

## Applications

- Monitoring consumption
- Building management system
- Smart City
- Accounting

## Wireless amplified repeater for outdoor mounting

- Compact size
- Extended radio range
- Wide-ranging power supply flexibility
- Suitable for outdoor installation

The **KET-RMB-210.S**, 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. Its high degree of protection, **IP65**, makes it suitable for outdoor installation.

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.

## Technical Features

General specifications	<b>Protection Range:</b> IP65 <b>Operative Temperature:</b> -20 ÷ +60 °C <b>Storage Temperature:</b> <b>Relative Humidity:</b>
Case	<b>Dimensions:</b> 53,5 x 110 x 61 mm (W x H x D) <b>Mounting:</b> Wall mounting or on DIN rail with supplied supports <b>Required DIN modules:</b> 3 DIN modules <b>Electric Board Type:</b> Industrial or switchboard <b>Material:</b> Blend PC/ABS sel extinguishing UL94-VO
Power supply	<b>Supply Voltage:</b> 12 ÷ 24 VDC, 12 ÷ 20 VAC; 230 VAC with integrated power supply <b>Consumption:</b> < 1.5 W @ 12 ÷ 20 VAC / < 1.5 W @ 12 ÷ 24 VDC / < 1.5 W @ 230 VAC <b>Connectors types:</b> Screw terminal
Radio module	<b>Supported Protocols:</b> X-Monitor Protocol (X-MP) / IEEE 802.15.4 / ZigBee™ Pro 2.0 <b>Radio Frequency:</b> 2.4 GHz ISM Band <b>Output Power:</b> +3 ÷ +20 dBm <b>Sensitivity:</b> -104 dBm <b>Antenna Type:</b> RPSMA connector, 90° antenna supplied <b>Max Distance (Free Air):</b> Over 1000 m
Functionality	<b>Radio Signal Indicator:</b> Integrated (LinkQuality) <b>Output Power Adjustment:</b> From local keyboard and remotely <b>Firmware Upgrade:</b> Via radio