KET-RMB-210.S

IP65 | X-Monitor | 100-240V | 12-24 VAC 12-20 VDC

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 infrastructur**e 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.

APPLICATIONS
monitoring consumption
Building management system
Smart City
Accounting
Thermoregulation

TECHNICAL FEATURES	
GENERAL SPECIFICATIONS	**Protection Range**: IP65 **Operative Temperature**: -20 ÷ +60 °C **Storage Temperature**: **Relative Humidity**:
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 or switchboard **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