## KET-RMB-210.S



APPLICATIONS
monitoring consumption
Building management system
Smart City
Accounting
Thermoregulation



MAGGIORI CONTENUTI ONLINE











## Wireless amplified repeater for outdoor mounting

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

 $\label{thm:condition} The~\textbf{KET-RMB-210.S},~together~with~the~Gateway~and~the~nodes~with~integrated~Repeater~functionality,~provides~and~the~nodes~with~integrated~Repeater~functionality,~provides~and~the~nodes~with~integrated~Repeater~functionality,~provides~and~the~nodes~with~integrated~Repeater~functionality,~provides~and~the~nodes~with~integrated~Repeater~functionality,~provides~and~the~nodes~with~integrated~Repeater~functionality,~provides~and~the~nodes~with~integrated~Repeater~functionality,~provides~and~the~nodes~with~integrated~Repeater~functionality,~provides~and~the~nodes~$ 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

. Thanks to increased power, this device reduces the total number of nodes in the network.

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 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