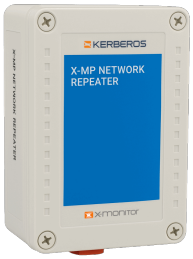
kerberos



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

KET-RMB-210.S

Wireless amplified repeater for outdoor mounting

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

Applications

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

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.

CODE	PROTECTION RANGE	OPERATIVE TEMPERATURE	STORAGE TEMPERATURE	RELATIVE HUMIDITY	DIMENSIONS	MOUNTING	REQUIRED IN MODULES	ELECTRIC BOARD TYPE	MATERIAL	SUPPLY VOLTAGE	CONSUMPTION	CONNECTORS TYPES	SUPPORTED PROTOCOLS	RADIO FREQUENCY	OUTPUT POWER	SENSITIVITY	ANTENNA TYPE	MAX DISTANCE (FREE AIR)	RADIO SIGNAL INDICATOR	OUTPUT POWER ADJUSTMENT	FIRMWARE UPGRADE
KET-RMB-210	IP50	-20÷+60°C			53,5x110x61mm (WxHxD)	Wall mounting or on DIN rail with supplie	3 DIN modules	Industrial	Blend PC/ABS self extinguishing UL94-VO	12÷24VDC, 12÷20VAC; 230VAC with integr	<1.5W@12÷20VAC/<1.5W@12÷24VDC/<1.5	Screw terminal	X-Monitor Protocol (X-MP)/IEEE802.15	2.4GHz ISM Band	+3÷+20dBm	-104dBm	RPSMA connector, 90° antenna supplied	Over 1000m	Integrated (LinkQuality)	From local keyboard and remotely	Via radio

CODE	PROTECTION RANGE	OPERATIVE TEMPERATURE	STORAGE TEMPERATURE	RELATIVE HUMIDITY	DIMENSIONS	MOUNTING	REQUIRED IN MODULES	ELECTRIC BOARD TYPE	MATERIAL	SUPPLY VOLTAGE	CONSUMPTION	CONNECTORS TYPES	SUPPORTED PROTOCOLS	RADIO FREQUENCY	OUTPUT POWER	SENSITIVITY	ANTENNA TYPE	MAX DISTANCE (FREE AIR)	RADIO SIGNAL INDICATOR	OUTPUT POWER ADJUSTMENT	FIRMWARE UPGRADE
						d supports				ated power supply	W @ 230 VAC		. 4 / ZigBee™ Pro 2.0								

Technical Features

General specifications	**Protection Range**: IP65 **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 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