



KET-RMB-211.CN.36

Applications

Climate control interface for IDU, ERV, AWHP, AHU systems

- Rapid integration of climate control systems
- Wireless Connection
- Standardised ModBUS interface
- Access to diagnostic registers

The **KET-RMB-211.CN.36** climate control interface is a versatile **protocol converter for IDU, ERV, AWHP, AHU systems** equipped with a **modbus tcp LG PACS5A000** control unit, designed for rapid and straightforward integration between air conditioning control units and higher-level control systems such as **BMS, BEMS, SCADA, PLC, Gateways**, etc. This intelligent device offers a **standardized ModBUS interface** to the controller (master), organizing the system and managed zones on different slaves while maintaining a uniform control structure for all. This architecture significantly simplifies the integration process. The consistency in the structure of control and monitoring registers within the KET-RMB series ensures uniform management of different air conditioning systems.

The **amplified wireless connection with IEEE 802.15.4 protocol** allows for remote installation of the interface in secondary panels, eliminating the need for costly and complex wiring, leveraging the benefits of **wireless** communication for greater installation flexibility.

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: DIN rail or Wall mounting 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
Rs485 interface	Supported Protocols: ModBUS RTU master for managing a single control unit Connectors types: Screw terminal
Radio module	Supported Protocols: X-Monitor Protocol (X-MP) / IEEE 802.15.4 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
Compatibility	Control Unit: LG PACS5A000 Controlled Units: IDU, ERV, AWHP, AHU