



Climate control interface for AHU, ERV, ERV+, HE, HT, EHS, Module Chiller, FCU Kit systems

KET-RMB-211.CN.33

Applications

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

The **KET-RMB-211.CN.33** climate control interface is a versatile **protocol converter for AHU, ERV, ERV+, HE, HT, EHS, Module Chiller, FCU Kit systems** equipped with a **Samsung MIM-B19N** 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

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|------------------------|---|
| 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: Samsung MIM-B19N Controlled Units: AHU, ERV, ERV+, HE, HT, EHS, Module Chiller, FCU Kit |