KET-RMB-211.CN.34

Climate control interface for cooling/heating systems, domestic hot water (DHW) production systems, thermal plants

Applications

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

The **KET-RMB-211.CN.34** climate control interface is a versatile **protocol converter for cooling/heating systems** as well as **domestic hot water (DHW) production systems**, equipped with a **Robur** 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**: Robur DDC modbus interface **Controlled Units**: Cooling/heating units, domestic hot water (DHW) production, thermal plants