


# KET-RMB-211.CN.42

## Climate control interface for VRF, ATW, water module systems

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

### Applications

Building management system

The **KET-RMB-211.CN.42** climate control interface is a versatile **protocol converter for VRF, ATW, water module systems** equipped with a **Hisense HCPC-H2M5C** 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<br>**Operative Temperature**: -20 ÷ +60 °C |
| Case | **Dimensions**: 53,5 x 110 x 61 mm (W x H x D)<br>**Mounting**: DIN rail or Wall mounting with supplied supports<br>**Required DIN modules**: 3 DIN modules<br>**Electric Board Type**: Industrial or switchboard<br>**Material**: Blend PC/ABS sel extinguishing UL94-VO |
| Power supply | **Supply Voltage**: 12 ÷ 24 VDC, 12 ÷ 20 VAC; 230 VAC with integrated power supply<br>**Consumption**: < 1.5 W @ 12 ÷ 20 VAC / < 1.5 W @ 12 ÷ 24 VDC / < 1.5 W @ 230 VAC<br>**Connectors types**: Screw terminal |
| Rs485 interface | **Supported Protocols**: ModBUS RTU master for managing a single control unit<br>**Connectors types**: Screw terminal |
| Radio module | **Supported Protocols**: X-Monitor Protocol (X-MP) / IEEE 802.15.4<br>**Radio Frequency**: 2.4 GHz ISM Band<br>**Output Power**: +3 ÷ +20 dBm<br>**Sensitivity**: -104 dBm<br>**Antenna Type**: RPSMA connector, 90° antenna supplied<br>**Max Distance (Free Air)**: Over 1000 m |
| Functionality | **Radio Signal Indicator**: Integrated (LinkQuality)<br>**Output Power Adjustment**: From local keyboard and remotely<br>**Firmware Upgrade**: Via radio |
| Compatibility | **Control Unit**: Hisense HCPC- H2M5C<br>**Controlled Units**: VRF, ATW, water module |