



## KET-RMB-211.CN.35

### Applications

Building management system

## Climate control interface for Daikin VRV systems

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

The KET-RMB-211.CN.35 climate control interface is a versatile **protocol converter for VRV Daikin systems** equipped with **Daikin Modbus Interface DIII EKMBDXB7V1** 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	<b>Protection range:</b> ip50 <b>Operative temperature:</b> -20 ÷ +60 °C <b>Storage temperature:</b> <b>Relative humidity:</b>
Case	<b>Dimensions:</b> 53,5 x 110 x 61 mm (w x h x d) <b>Mounting:</b> din rail or wall mounting with supplied supports <b>Required din modules:</b> 3 din modules <b>Electric board type:</b> industrial or switchboard <b>Material:</b> blend pc/abs sel extinguishing ul94-vo
Power supply	<b>Supply voltage:</b> 12 ÷ 24 vdc, 12 ÷ 20 vac; 230 vac with integrated power supply <b>Consumption:</b> < 1.5 w @ 12 ÷ 20 vac / < 1.5 w @ 12 ÷ 24 vdc / < 1.5 w @ 230 vac <b>Connectors types:</b> screw terminal
Rs485 interface	<b>Supported protocols:</b> modbus rtu master for managing a single control unit <b>Communication rate:</b> <b>Isolation:</b> <b>Connectors types:</b> screw terminal
Radio module	<b>Supported protocols:</b> x-monitor protocol (x-mp) / ieee 802.15.4 <b>Radio frequency:</b> 2.4 ghz ism band <b>Output power:</b> +3 ÷ +20 dbm <b>Sensitivity:</b> -104 dbm <b>Antenna type:</b> rpsma connector, 90° antenna supplied <b>Max distance (free air):</b> over 1000 m
Functionality	<b>Radio signal indicator:</b> integrated (linkquality) <b>Output power adjustment:</b> from local keyboard and remotely <b>Firmware upgrade:</b> via radio <b>User menu:</b> <b>Support for public environment:</b>
Compatibility	<b>Control unit:</b> daikin modbus interface diii ekmbdxb7v1 <b>Brand:</b> daikin <b>Controlled units:</b> indoor vrv units