KET-RMB-211.CN.45



APPLICATIONS

Building management system





Climate control interface for systems Multi VRF e Fresh air units

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

The KET-RMB-211.CN.45 climate control interface is a versatile protocol converter for Multi VRF e Fresh air units systems equipped with a Aermec MINIMODBUS10 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.

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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 Storage Temperature: Relative Humidity:
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: $12 \div 24$ VDC, $12 \div 20$ VAC; 230 VAC with integrated power supply Consumption: < 1.5 W @ $12 \div 20$ VAC / < 1.5 W @ $12 \div 24$ VDC / < 1.5 W @ 230 VAC Connectors types: Screw terminal
RS485 INTERFACE	Supported Protocols: ModBUS RTU master for managing a single control unit Communication Rate: Isolation: 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 User menu: Support for public environment:
COMPATIBILITY	Control Unit: Aermec MINIMODBUS10 Brand: Controlled Units: Multi VRF e Fresh air units