Midea Commercial & VRF systems to BACnet MSTP Interface

The Midea-BACnet gateway allows fully bi-directional communication between Midea Commercial and VRF units and BACnet MSTP networks.

FEATURES

BTL mark ensures full interoperability with BACnet devices.

Support only BACnet MS/TP.

Configuration from onboard DIP-switches.

Quick and easy installation (plug and set the DP-SW).

12 VDC/AC power supply required.

Simultaneous control of the AC unit by the manufacturer's remote controller and BACnet MS/TP.

Reduced dimensions 93 x 53 x 58 mm.

Mountable on DIN rail, wall, or even inside the indoor unit in some models of AC.

Abstraction of Air Conditioning unit properties and functionalities as fixed BACnet Objects.

Occupancy function allows energy savings. Costs related to HVAC systems in a building are one of the highest and this type of functions allow to reduce them.

Total control and monitoring of the AC unit from BACnet, including AC unit's internal variables, running hours counter (for filter maintenance control) and error indication.

Use Case

Integration of Midea Commercial & VRF Air Conditioner Units into a BACnet MSTP installation.

Description

DIRECT CONNECTION TO INDOOR UNITS

The gateway is wired directly to a Midea indoor unit. This allows not only the control of the main AC functions such as operating mode, fan speed, temperature setpoint... but the monitoring of errors, alarms and some internal variables.

ST AND EASY TO SET UP BY DIP-SW

The product can be installed and set up in a really short time. It's only a matter of wiring the gateway to the AC unit, connect 12 VDC/AC power supply and configure the DIP-SW accordingly. No configuration software is required.

Technical Documentation

User Manual	General information about this product	Download
Installation Manual	Learn how to install the device in your project	Download
EDE	Download EDE file	Download
HVAC Compatibility tool	Find the appropriate solution for your HVAC integration	Open
HVAC Compatibility	Check your HVAC compatibility	Download
EC Declaration of Conformity	Check the product certification	Download
Recommendations to avoid polarity issues	How to avoid polarity issues in RS485 Networks	Learn more

Commercial Documentation

Marketing Datasheet	Discover all the integration solutions for Midea	Download
Intesis Brochure	Know more about the Intesis current available products	Download

HVAC Compatibility

Ensure the compatibility of this gateway with your AC model by visiting https://compatibility.intesis.com/

Compatible AC models

MDV-D - Q1/N1-C | MDV-D - Q1/N1-D | MDV-D - Q1/N1 | MDV-D - Q2/N1 | MDV-D - Q4/N1-A3 | MDV-D - Q4/N1-D | MI - Q4/DHN1-A3 | MI - Q4/DHN1-D | MCA3I - FNXD0 | MCA3I - HRFN1-QRC8 | MCA3U - HRFN1-QRD0W | MCA3 - HRFN1-QRC8W(B) | MCD - FNXD0 | MCD - HRFN1-QRC8W(D) | MCD - HRFN1-QRD0 | MCA3 - HRFN1-QRD0 | MKD-V - F | MDV-D - T1/N1-B | MDV-D - T2/N1-DA5 | MDV-D - T3/N1-B | MDV-D - T3/N1-C | MDV-D - T2/N1-CA5 | MDV-D - T2/N1-BA5 | MVM - A-VA1 | MDV-D - T1/N1 | MI - T1/DHN1-B | MI - T2/DHN1-DA5 | MTBI - HWFN1-QRD0 | MTB - HWFN1-QRC8W(B) | MTB - HWFN1-QRC8W(D) | MTBU - QRD0W | MTBU - HWFN1-QRD0 | MTI - FNXD0 | MTI - HWFN1-QRD0 | MTIU - FNXD0 | MI - T2/DHN1-BA5 | AHUKZ - | AHUKZ - B | MDV-D - DL/N1-C | MI - DL/DHN1-C | MUE - FNXD0 | MUE - HRFN1-QRD0 | MI-D - Z/N1-F4 | MDV-D - Z/N1-F4 | MDV-D - Z/N1-F5 | MDV-D - Z/N1-F3B | MDV-D - G-R3/N1Y | MDV-D - G/DN1YB | MDV-D - G/N1YB | MDV-D - G/N1-S | MDV-D - G/DN1-S | MI - G/DHN1-M | MSMBAU - HRFN1-QRD0GW(B) | MSMBBU - HRFN1-QRD0GW(B) | MSMBCU - HRFN1-QRD0GW(B) | MSMBDU - HRFN1-QRD0GW(B) | MDV-D - Z/DN1-B | MFAI - HRFN1-QRC8 | MFAU - HRFN1-QRD0 | MFA - HRFN1-QRC8W | MDV-D - T1/N1-FA | MFM - HRFN1-QRD0 | MFM - ARFN1-RRD0 | MDV-V - W/DN1 (outdoor) | MDV-V - W/DN1(B) (outdoor) | MDV-V - W/DRN1 (outdoor) | MDV-V - W/DRN1(A) (outdoor) | MDV - W/DRN1-i(B) (outdoor) | MDV - W/DRN1-i(C) (outdoor) | MV5-E - W/V2GN1 (outdoor) | MV5-X - W/V2GN1 (outdoor) | MDVS - (8)W/DRN1 (outdoor) | MDVS - (10)W/DRN1 (outdoor) | MDVS - (12)W/DRN1 (outdoor) | MDV - (8)W/D2RN1T(C) (outdoor) | MDV - (10)W/D2RN1T(C) (outdoor) | MDV - (12)W/D2RN1T(C) (outdoor) | MDV - (14)W/D2RN1T(C) (outdoor) | MDV - (16)W/D2RN1T(C) (outdoor) | MV - (8)W/D2RN1T(D) (outdoor) | MV - (10)W/D2RN1T(D) (outdoor) | MV - (12)W/D2RN1T(D) (outdoor) | MV - (14)W/D2RN1T(D) (outdoor) | MV - (16)W/D2RN1T(D) (outdoor) | MSAGDU-xxHRFN8-QRD0GW (2) (outdoor) | MSAGCU-xxHRFNX-QRD0GW (2) (outdoor) | MSAGBU-xxHRFN8-QRD1GW(GA) (2) (outdoor) | MSAGDU-xxHRFNX-QRD0GW (2) (outdoor) | MCA3I-xxHRFNX-QRD0 (outdoor) | MCA3U-xxHRFNX-QRD0W (outdoor) | MCD-xxHRFNX-QRD0 (outdoor) | MTIU-xxHWFNX-QRD0W(V1) (outdoor) | MTIU-xxHWFNX-QRD0W (outdoor) | MTI-xxHWFNX-QRD0(V1) (outdoor) | MTI-xxHWFNX-QRD0 (outdoor) | MUEU-xxHRFNX-QRD0W (outdoor) | MUE-xxHRFNX-QRD0 (outdoor)

KAYSUN AC models

KCI - DMN8 | KCI - DN10 | KCI - DMNU9 | KFC-CI-2T - D | KFC-CI-4T - D | KCIS - DMNU9 | KCIS - DN10 | KFC-CIS-2T - D | KFC-CIS-4T - D | KCIDF - DN2.4 | KCIF - DN3.0 | KCIBF - DN3.0 | KPD - DMN7 | KPD - DN10 | KPD - DMNU8 | KPDF - DN3.0 | KPDHF - DN3.0 | KPDHF - DN2.4 | KPC - DN10 | KPCF - DN3.0 | KSF - DN2.3 | KAYF - DN3.0 | KFC-AY-2T - D | KFC-AY-2T - | KSDF - DN2.3 | KSD - DMN6 | KSD - DN9 | KSD -

DMNU8 | KPV - DN10

* The asterisks stand for any character in the asterisk' position.

File	Version	Size	Read online

ORDER CODE:

INBACMID001I100	Midea Commercial & VRF systems to BACnet MSTP Interface - 1 unit

INCLUDED COMPONENTS:

Intesis Gateway.

Installation Manual.

Warranty: 36 months.