



# Mitsubishi Electric Domestic, Mr.Slim and City Multi to BACnet MS/TP Interface

The Mitsubishi Electric-BACnet gateway allows fully bi-directional communication between Mitsubishi Electric Domestic, Mr.Slim and City Multi Air Conditioner units and BACnet or MS/TP networks.

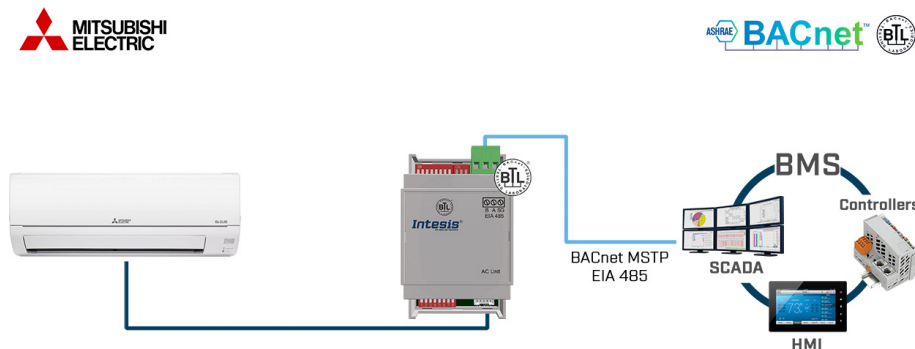


## FEATURES

- 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).
- External power not 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.
- Supports silent mode and horizontal vanes control.

## Use Case

**Integration of Mitsubishi Electric Domestic, Mr. Slim & City Multi lines into a BACnet installation.**



**scription**  
**RECT CONNECTION TO INDOOR UNITS**

The gateway is wired directly to the 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.

### FAST 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 and configure the DIP-SW accordingly. No configuration software and no power supply are 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
BTL Certification	Check the product certification	Download
EC Declaration of Conformity	Check the product certification	Download
Tender Specification Document	Product details for tender submittal	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 Mitsubishi Electric	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

MFZ-KA | MFZ-KJ | MLZ-KA | MLZ-KP-NA | MSY-A | MSY-GL | MSZ-A | MSZ-AP - VG-E1 | MSZ-AP - VG-EN1 | MSZ-AP - VGK-E1 | MSZ-AP - VGK-EN1 | MSZ-CGE | MSZ-DM | MSZ-EF | MSZ-FA | MSZ-FD | MSZ-FH | MSZ-GA | MSZ-GB | MSZ-GC | MSZ-GE | MSZ-GF | MSZ-GL | MSZ-HR | MSZ-HA | MSZ-HC | MSZ-HJ | MSZ-LN | MSZ-SF | MSZ-WN | PCA-M | PCA-RP | PCA-RP - HA | PCA-RP - HAQ | PEAD-A - AA5 | PEAD-RP | PEAD-SP | PEAD-SM - JA | PEAD-SM - JAL | PEAD-M - JA | PEAD-M - JAL | PEY-P - JA | PEAM125GAA | PLA-RP - | PLA-ZM - | PLA-ZRP - | PLA-SM - | PLA-M-EA-A | PLY-P-BA | PKA-M - | PKA-RP - | PSA-RP - | SEZ-KA - | SEZ-KC - | SEZ-KD - | SEZ-M - | SLZ-KA - | SLZ-KF - | SLZ-M - | PEA-RP - | PEH-RP - | PCFY-P - VKM-ER1 (since end 2013) | PEFY-P - NMAU-E3 | PEFY-P - NMHSU-E (since end 2013) | PEFY-P - VMA-E | PEFY-P - VMA-E2 | PEFY-P - VMA-ER3 (since end 2013) | PEFY-P - VMAL-E | PEFY-P - VMAL-E2 | PEFY-P - VMH(S)-E (since end 2013) | PEFY-P - VMR-E (since end 2013) | PEFY-P - VMS1-E (since end 2013) | PFFY-P - VKM-E2 (since end 2013) | PFFY-P - VLRMM-E (since end 2013) | PKFY-P - VBM-ER3 | PKFY-P - VHM-ER2 (since end 2013) | PKFY-P - VKM-ER1 (since end 2013) | PLFY-P - VBM-E (since end 2013) | PLFY-P - VBM-ER3 (since end 2013) | PLFY-P - VEM-E | PLFY-P - VCM-ER2 (since end 2013) | PLFY-P - VFM-E | PLFY-P - VFM-E1 | PLFY-P - VLDM-E (since end 2013) | PMFY-P - VBM-E#2 | PMFY-P - VBM-ER3 | PMFY-P - VBM-ER4 (since end 2013) | PLFY-WP - VFM-E | PLFY-WP - VFM-E1 | PLFY-WP - VBM-E | PEFY-WP - VMA-E | PEFY-WP - VMS1-E | PFFY-WP - VLRMM-E | MSY-D | MSY-GA | MSY-GE | MSZ-D | MSZ-FE | MS-A | PCA-A | PEA-A | PEAD-A | PKA-A | PLA-A | PVFY-P - E00 (since end 2012) | PCFY-P - NKMU-ER1.TH (since end 2012) | PEFY-P - NMSU-ER2.TH (since end 2012) | PEFY-P - NMAU-E | PEFY-P - NMAU-E2 (since end 2012) | PEFY-P - NMAU-E3 (since end of 2013) | PEFY-P - NMHSU-E (since end 2012) | PEFY-P - NMHU-E (since end 2012) | PEFY-P - NMHU-E2 (since end of 2013) | PFFY-P - NEMU-E (since end 2012) | PFFY-P - NRMU-E (since end 2012) | PKFY-P - NBMU-E2 (since end 2012) | PKFY-P - NHMU-E2 (since end 2012) | PKFY-P - NKMU-E2.TH (since end 2012) | PLFY-P - NBMU-ER2 (since end 2012) | PLFY-P - NCMU-ER4.TH (since end 2012) | PLFY-P - NFMU-E | PMFY-P - NBMU-ER5 (since end 2012) | PVFY-P - NAMU-E | MSXY-FD | SL - AKLR | PL -

BAK | PK - FAKLD | PC - GAKD | PS - GAKD | SE - AKR | SE - AKLR | PE - EAK | PE - EAKT | PEH - EAK | PEH - EAKH | PED - AAK | PLFY-P - EMG6 | PK - GAKLD | PE - GAK | PE - GAKT | PKH - GAKL | PKH - FAK | PCH - GAK | PSH - GAK | PE(H) - EAK | MSC-GA - VB | PCFY-P100VKM-E | PCFY-P125VKM-E | PCFY-P40VKM-E | PCFY-P63VKM-E | PEFY-M100 VMA2-A | PEFY-M100 VMA-A | PEFY-M125 VMA2-A | PEFY-M125 VMA-A | PEFY-M140 VMA-A | PEFY-M20 VMA2-A | PEFY-M20 VMA-A | PEFY-M25 VMA2-A | PEFY-M25 VMA-A | PEFY-M32 VMA2-A | PEFY-M32 VMA-A | PEFY-M40 VMA2-A | PEFY-M40 VMA-A | PEFY-M50 VMA2-A | PEFY-M50 VMA-A | PEFY-M63 VMA2-A | PEFY-M63 VMA-A | PEFY-M71 VMA2-A | PEFY-M71 VMA-A | PEFY-M80 VMA2-A | PEFY-M80 VMA-A | PEFY-P100VMA3-E | PEFY-P100VMHS2-E P | PEFY-P100VMHS-E | PEFY-P125VMA3-E | PEFY-P125VMHS-E | PEFY-P125VMHS-E-F | PEFY-P140VMHS-E | PEFY-P15VMS1-E | PEFY-P200VMHS-E | PEFY-P200VMHS-E-F | PEFY-P20VMA3-E | PEFY-P20VMR-E-L | PEFY-P20VMS1-E | PEFY-P250VMHS-E | PEFY-P250VMHS-E-F | PEFY-P25VMA3-E | PEFY-P25VMR-E-L | PEFY-P25VMS1-E | PEFY-P32VMA3-E | PEFY-P32VMR-E-L | PEFY-P32VMS1-E | PEFY-P40VMA3-E | PEFY-P40VMHS-E | PEFY-P40VMS1-E | PEFY-P50VMA3-E | PEFY-P50VMHS2-E | PEFY-P50VMHS-E | PEFY-P50VMS1-E | PEFY-P63VMA3-E | PEFY-P63VMHS2-E | PEFY-P63VMHS-E | PEFY-P63VMS1-E | PEFY-P71VMA3-E | PEFY-P71VMHS2-E | PEFY-P71VMHS-E | PEFY-P80VMA3-E | PEFY-P80VMHS2-E | PEFY-P80VMHS-E | PEFY-P20VCM-E | PEFY-P20VKM-E | PEFY-P20VLEM-E | PEFY-P20VLRM-E | PEFY-P25VCM-E | PEFY-P25VKM-E | PEFY-P25VLEM-E | PEFY-P25VLRM-E | PEFY-P32VCM-E | PEFY-P32VKM-E | PEFY-P32VLEM-E | PEFY-P32VLRM-E | PEFY-P40VCM-E | PEFY-P40VKM-E | PEFY-P40VLEM-E | PEFY-P40VLRM-E | PEFY-P50VCM-E | PEFY-P50VLEM-E | PEFY-P50VLRM-E | PEFY-P63VCM-E | PEFY-P63VLEM-E | PEFY-P63VLRM-E | PKFY-P100VKM-E | PKFY-P10VLM-E | PKFY-P15VLM-E | PKFY-P20VLM-E | PKFY-P25VLM-E | PKFY-P32VLM-E | PKFY-P40VLM-E | PKFY-P50VLM-E | PKFY-P63VKM-E | PKFY-WL10VLM | PKFY-WL15VLM | PKFY-WL20VLM | PKFY-WL25VLM | PKFY-WL32VLM | PLFY-EP50VEM-E | PLFY-EP63VEM-E | PLFY-EP80VEM-E | PLFY-M100VEM-E | PLFY-M125VEM-E | PLFY-M20VEM-E | PLFY-M25VEM-E | PLFY-M32VEM-E | PLFY-M40VEM-E | PLFY-M50VEM-E | PLFY-M63VEM-E | PLFY-M80VEM-E | PLFY-P100VLM-D-E | PLFY-P125VLM-D-E | PLFY-P15VFM-E | PLFY-P20VFM-E | PLFY-P20VLM-D-E | PLFY-P25VFM-E | PLFY-P25VLM-D-E | PLFY-P32VFM-E | PLFY-P32VLM-D-E | PLFY-P40VFM-E | PLFY-P40VLM-D-E | PLFY-P50VFM-E | PLFY-P50VLM-D-E | PLFY-P63VLM-D-E | PLFY-P80VLM-D-E | PMFY-P20VBM-E | PMFY-P25VBM-E | PMFY-P35VBM-E | PMFY-P40VBM-E | MFZ-KJ25VE | MFZ-KJ35VE | MFZ-KJ50VE | MFZ-KT25VG | MFZ-KT35VG | MFZ-KT50VG | MFZ-KT60VG | MLZ-KP25VF | MLZ-KP35VF | MLZ-KP50VF | MSY-TP35VF | MSZ-AP15VG | MSZ-AP20VG | MSZ-AP25VG | MSZ-AP25VGK | MSZ-AP35VGK | MSZ-AP42VG | MSZ-AP42VGK | MSZ-AP50VGK | MSZ-AP60VGK | MSZ-AP71VGK | MSZ-BT<sup>1</sup> | MSZ-DM35VA | MSZ-EF18VGK W/B/S | MSZ-EF22VGK W/B/S | MSZ-EF25VGK W/B/S | MSZ-EF35VGK W/B/S | MSZ-EF42VGK W/B/S | MSZ-EF50VGK W/B/S | MSZ-FH25VE | MSZ-FH35VE | MSZ-FH50VE | MSZ-HR25VF | MSZ-HR35VF | MSZ-HR42VF | MSZ-HR50VF | MSZ-LN18VG W | MSZ-LN18VG2 V/B/R | MSZ-LN18VG2 W | MSZ-LN25VG2 V/B/R | MSZ-LN25VG2 W | MSZ-LN35VG2 V/B/R | MSZ-LN35VG2 W | MSZ-LN50VG2 V/B/R | MSZ-LN50VG2 W | MSZ-LN60VG2 V/B/R | MSZ-LN60VG2 W | MSZ-SF15VA | MSZ-SF20VA | MSZ-SF25VE | MSZ-SF35VE | MSZ-SF42VE | MSZ-SF50VE | MUSY-TP35VF | MUSY-TP50VF | MXZ-4E72VA-E2 | SEZ-M25DA | SEZ-M35DA | SEZ-M50DA | SEZ-M60DA | SEZ-M71DA | SLZ-M15FA | SLZ-M25FA | SLZ-M35FA | SLZ-M50FA | SLZ-M60FA | PCA-M100KA | PCA-M125KA | PCA-M140KA | PCA-M35KA | PCA-M50KA | PCA-M71KA | PCA-M80KA | PEAD-M125JA | PEAD-M140JA | PEAD-M35JA | PEAD-M50JA | PEAD-M71JA | PEAD-M80JA | PEA-RP200VVKA | PEA-RP250VVKA | PEA-RP250WKA | PKA-M100KAL | PKA-M35HAL | PKA-M50HAL | PKA-M71KAL | PKA-M80KAL | PLA-M100EA | PLA-M125EA | PLA-M140EA | PLA-M35EA | PLA-M50EA | PLA-M60EA | PLA-M71EA | PLA-ZM100EA | PLA-ZM125EA | PLA-ZM140EA | PLA-ZM35EA | PLA-ZM50EA | PLA-ZM60EA | PLA-ZM71EA | PSA-M100KA | PSA-M125KA | PSA-M140KA | PSA-RP100KA | PSA-RP125KA | PSA-RP140KA | PSA-RP71KA

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

<sup>1</sup>The CN105 port of this AC unit is already in use for the WiFi interface included with the AC unit. To use any of our solutions connectable to CN105 port, this WiFi must be disconnected and cannot be used at the same time.

File	Version	Size	Read online
------	---------	------	-------------

#### ORDER CODE:

IN485MIT001I000	Mitsubishi Electric Domestic, Mr.Slim and City Multi to BACnet MS/TP Interface - 1 unit
-----------------	-----------------------------------------------------------------------------------------

→ For older version, please click here to find the documentation

#### INCLUDED COMPONENTS:

- Intesis Gateway.
- Installation Manual.
- C Connection cable.

Warranty: 36 months.

---

Copyright © 2020 HMS Industrial Networks - All rights reserved.

