

Mitsubishi Electric Domestic, Mr.Slim and City Multi to Modbus RTU Interface

The Mitsubishi Electric-Modbus gateway allows fully bi-directional communication between Mitsubishi Electric Domestic, Mr.Slim and City Multi Air Conditioner units and Modbus RTU (RS-485) networks.



FEATURES

- Modbus RTU (EIA485) slave device.
- Configuration from both onboard DIP-switches and Modbus RTU.
- Quick and easy installation (plug and set the DP-SW).
- External power not required.
- Simultaneous control of the AC unit by the IR remote controller and by Modbus RTU.
- Reduced dimensions 93 x 53 x 58 mm.
- Mountable on DIN rail, wall, or even inside the indoor unit in some models of AC.
- Window contact 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 Modbus RTU, including AC unit's internal variables, running hours counter (for filter maintenance control) and error indication.

Use Case

Integration of Mitsubishi Electric Domestic Air Conditioner Units into a Modbus installation.



Description

DIRECT CONNECTION TO INDOOR UNITS

The gateway is wired directly to an 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.

The consistent Modbus register mapping used for all AC brands, helps improving the integration time of each project.

Technical Documentation

User Manual	General information about this product	Download
Installation Manual	Learn how to install the device in your project	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

Case Study

Case Study 1	Learn how Intesis gateways make integration easy	Open
Case Study 2	Learn how Intesis gateways make integration easy	Open

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 | PFFY-P20VCM-E | PFFY-P20VKM-E | PFFY-P20VLEM-E | PFFY-P20VLRM-E | PFFY-P25VCM-E | PFFY-P25VKM-E | PFFY-P25VLEM-E | PFFY-P25VLRM-E | PFFY-P32VCM-E | PFFY-P32VKM-E | PFFY-P32VLEM-E | PFFY-P32VLRM-E | PFFY-P40VCM-E | PFFY-P40VKM-E | PFFY-P40VLEM-E | PFFY-P40VLRM-E | PFFY-P50VCM-E | PFFY-P50VLEM-E | PFFY-P50VLRM-E | PFFY-P63VCM-E | PFFY-P63VLEM-E | PFFY-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-BT¹ | 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.

¹The 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
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ORDER CODE:

INMBSMIT001I000	Mitsubishi Electric Domestic, Mr.Slim and City Multi to Modbus RTU Interface - 1 unit
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INCLUDED COMPONENTS:

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

Warranty: 36 months.