



Daikin AC Domestic units to Modbus RTU Interface

The Daikin- Modbus gateway allows fully bi-directional communication between Daikin Air Conditioner Domestic 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.

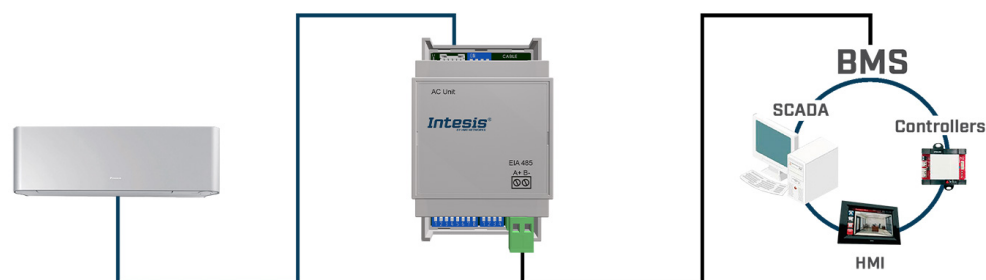
Window contact function allows energy savings. Costs related to HVAC systems in a building are one of the highest and this type of functions allow to reduce them.

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 Daikin 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.

EASY 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 |
| Tender Specification Document | Product details for tender submittal | Download |
| Recommendations to avoid polarity issues | How to avoid polarity issues in RS485 Networks | Learn more |

Case Study

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|--------------|--|------|
| 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 Daikin | 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

FTXR - E*** | FTXZ - N*** | CTXU - G*** | FTXG - C/E/J/L*** | FTXJ - L/M/MS/MW*** | CTXG50E/J*** | ATX50E*** | ATX - JV*** | ATX - KV*** | ATX - J/J2/J3/K*** | ATXL - JV/J2V*** | ATXM - M*** | ATXP - KV*** | ATXS - C/D/E/G*** | ATXS - K*** | ATXS - K*** | ATXS - KV*** | ATKS - C/D/E*** | ATXG - C/E*** | CTXA15A*** | CTXA - AW/AS/AT | CTXM15M*** | CTXS - K*** | CTXS - LVJU | CTXS - L*** | FT - FVM | FTDK - FV/GV*** | FTK - GV/JV*** | FTK - GV*** | FTK - NMVJU | FTK - N*** | FTKD - B*** | FTKD - BVMA | FTKD - BVMS | FTKD - BVMT | FTKD - D*** | FTKD - GV*** | FTKE - BVM | FTKE - BVMA | FTKN - NMVJU | FTKN - N*** | FTKS - B/C/D/E/F/G/H/J/K/L*** | FTN - E/F*** | FTS - B*** | FTYS - BVMS | FTX - GV/JV/J2/J3/K*** | FTX - GV*** | FTX - K*** | FTX - KV*** | FTX - LVMA | FTX - NMVJU | FTX - N*** | FTXA - A*** | FTXA - AW/AS/AT | FTXB - C*** | FTXC - B | FTXD - B*** | FTXD - B*** | FTXD - D*** | FTXD - JV*** | FTXG - L*** | FTXJ - PVMA*** | FTXL - G*** | FTXL - JV/J2V*** | FTXLS - K/K3*** | FTXM - K*** | FTXM - K*** | FTXM - M*** | FTXM - RVMZ | FTXN - NMVJU | FTXP - KV*** | FTXS - B/C/D/E/F/H/J*** | FTXS - G*** | FTXS - K*** | FTXS - K*** | FTXS - LVJU | FTXS - L*** | FTYN - E/F*** | FVKS - B*** | FVXG - K*** | FVXM - F*** | FVXS - B/F*** | FVXS - NVJU | FVXS - N*** | FLX - A*** | FLXS - B/GV*** | FLK - A*** | FLKS - B*** | FVXS - B*** | CDKD - C*** | CDXS - C*** | CDXS - EAVMA | CDXS - E*** | FDKS - CVMA | FDKS - C/E*** | FDXS - C/E/L*** | FDXS - L*** | CTXG - QVJW | CTXG - QVJU(W/S) | CTXS - JVJU | CTXS - GVJU | CTXS - HVJU | CTXS - LVJU | CTXS - K | FTKN - JEVJU | FTXN - JEVJU | FTXN - KEVJU | FTXN - KVJU | FTXS - DVJU | FTXS - HVJU | FTXS - HVJU | FTXS - LVJU | FTXS - LVJU | FVXS - NVJU | CDXS - LVJU | FDXS - DVJU | FDXS - LVJU | CDXS - BVM | FT - JV1A | FT - GAVEA | FTKD - BVM | FTY - GAV1A | FTXE - BVMA | FTXE - BVM | FLX50AVMA | FLX60AVMA | FTKD - F*** | FTKE - G*** | FTKS - D*** | FTKS - E*** | FTKS50B*** | FTKS - G*** | FTKS - F*** | FTKS71H*** | FTN - J*** | FTXS - K*** | FTXS - F*** | CDKD - EAVM | CDKD - CVM | FDKS - EAVMB | FDKS - CAVMB | FTXM - QVMA | FTXM - QVMA | FTKM - QVMA | FTKM -

QVMA | FTKM33NV2S | FTKM - SV2S | FTKM18SV2S | FTXM - PVMA | FTKM - PVMK | FTKXM - PVMK | FTXZ - NV1B | FTXJ - PVMAW | FTXJ - PVMAS

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

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

ORDER CODE:

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|-----------------|---|
| INMBSDAI001I000 | Daikin AC Domestic units to Modbus RTU Interface - 1 unit |
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INCLUDED COMPONENTS:

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

Warranty: 36 months.

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