

## Daikin VRV and Sky systems to Modbus RTU Interface

Item number: INMBSDAI001R000

The Daikin-Modbus interface allowed full bidirectional communication between Daikin VRV and Sky systems and Modbus RTU (RS-485) networks. The interface acts as a server device for the installation, accessing all signals from the air conditioner unit. A wired remote controller can also be part of the network. Please refer to the new product reference for further details.



*Replaced by: IN485DAI001R000*

### Features and benefits

- ✓ **Modbus RTU (EIA-485) server device**  
The interface acts as a Modbus server device through its Modbus RTU (EIA-485 connector) port.
- ✓ **Energy savings through a window contact function**  
This function helps minimize costs, as HVAC systems are a major building energy consumer.
- ✓ **AC unit control by both the remote and Modbus RTU**  
The AC unit can be simultaneously controlled by the manufacturer's remote controller and Modbus RTU.
- ✓ **Multiple mounting options**  
Mounting options include DIN rail, wall, or, in some AC models, even inside the indoor unit.
- ✓ **Dual configuration options**  
Configuration is carried out through the interface's onboard DIP switches and the Modbus interface.
- ✓ **Total unit control and monitoring from Modbus RTU**  
Through internal variables, running hours counter (for maintenance purposes), and error indication.
- ✓ **No external power required**  
The interface is powered directly from the AC unit, so no external power supply is required.

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## General

|                              |                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Capacity                     | 1 indoor unit                                                                                                                                                                                                                                                                                                                                                        |
| Net Width (mm)               | 53                                                                                                                                                                                                                                                                                                                                                                   |
| Net Height (mm)              | 93                                                                                                                                                                                                                                                                                                                                                                   |
| Net Depth (mm)               | 58                                                                                                                                                                                                                                                                                                                                                                   |
| Net Weight (g)               | 140                                                                                                                                                                                                                                                                                                                                                                  |
| Packed Width (mm)            | 135                                                                                                                                                                                                                                                                                                                                                                  |
| Packed Height (mm)           | 85                                                                                                                                                                                                                                                                                                                                                                   |
| Packed Depth (mm)            | 100                                                                                                                                                                                                                                                                                                                                                                  |
| Packed Weight (g)            | 180                                                                                                                                                                                                                                                                                                                                                                  |
| Operating Temperature °C Min | 0°                                                                                                                                                                                                                                                                                                                                                                   |
| Operating Temperature °C Max | 60°                                                                                                                                                                                                                                                                                                                                                                  |
| Installation Conditions      | This gateway is designed to be mounted inside an enclosure. If the unit is mounted outside an enclosure, precautions should always be taken to prevent electrostatic discharge to the unit. When working inside an enclosure (e.g., making adjustments, setting switches, etc.), typical anti-static precautions should always be followed before touching the unit. |
| Warranty (years)             | 3 years                                                                                                                                                                                                                                                                                                                                                              |

## Identification and Status

|                   |                         |
|-------------------|-------------------------|
| Product ID        | INMBSDAI001R000         |
| Successor         | IN485DAI001R000_MBS_DAI |
| Country of Origin | Spain                   |
| HS Code           | 8517620000              |
| Dual Usage        | No                      |

## Physical Features

|                  |    |
|------------------|----|
| Contains Battery | No |
|------------------|----|

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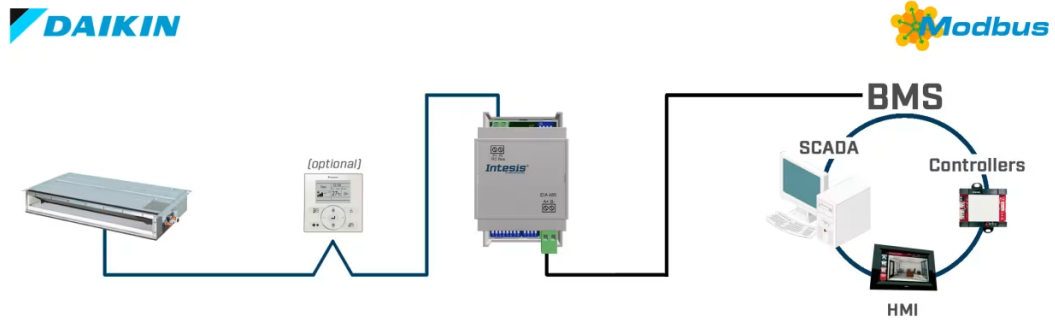


## Certifications and Standards

|                        |                                     |
|------------------------|-------------------------------------|
| Product Certifications | CE, CB, UL                          |
| WEEE Category          | IT and telecommunications equipment |



## Use Case



Integration example.