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.

Daikin VRV and Sky systems to Modbus RTU Interface

General

Net Width (mm)	53
Net Height (mm)	58
Net Depth (mm)	93
Net Weight (g)	140
Packed Width (mm)	14
Packed Height (mm)	8
Packed Depth (mm)	11
Packed Weight (g)	180
Capacity	1 indoor unit.
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
Export Control Classification Number (ECCN)	EAR99

Physical Features

Contains Battery	No

Certifications and Standards

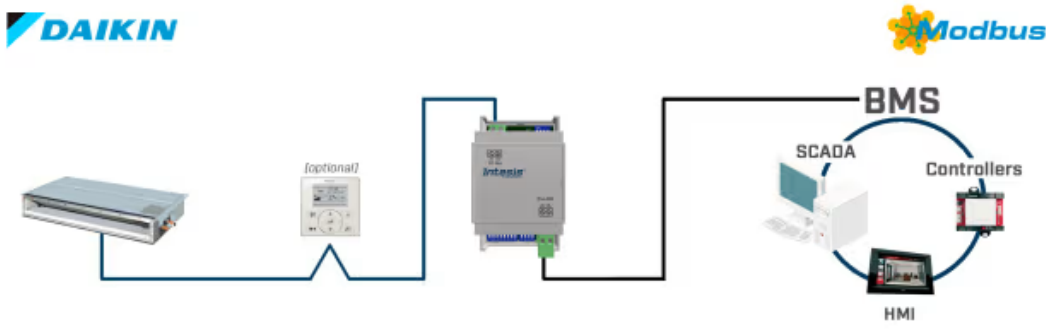
ETIM Classification	EC001604

Daikin VRV and Sky systems to Modbus RTU Interface

Certifications and Standards

CE	Yes
CB	Yes
UL	Yes
WEEE Category	IT and telecommunications equipment

Use Case



Integration example.