

Hitachi VRF systems to Modbus RTU Interface

Item number: IN485HIT001R000

The Hitachi-Modbus interface allows full bidirectional communication between Hitachi VRF 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.



Hitachi to Modbus RTU - 1 indoor unit

Features and benefits

- ✓ **BACnet MS/TP and Modbus RTU supported**
The interface supports both BACnet MS/TP and Modbus RTU protocols.
- ✓ **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.



General	
Net Width (mm)	53
Net Height (mm)	58
Net Depth (mm)	93
Net Weight (g)	120
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.
Content of Delivery	Intesis Gateway, Installation Manual, AC Connection cable.
Warranty (years)	3 years

Identification and Status	
Product ID	IN485HIT001R000_MBS_HIT
Country of Origin	Spain
Export Control Classification Number (ECCN) ERP	8517620000
HS Code	8517620000
Export Control Classification Number (ECCN)	EAR99
Supply Risk Factor ERP	Volume not defined yet

Certifications and Standards	
ETIM Classification	EC001604
UNSPSC	ERPREADY
WEEE Category	IT and telecommunications equipment



Use Case

HITACHI



Integration example.