Manuals+

☰

Contents [hide]

Intesis®

Intesis INMBSTOS001R000 VRF and Digital Systems to Modbus RTU Interface

Specifications

- **Item number**: INMBSTOS001R000
- **AC Model Compatibility:** 53-58-93-95-14-8-10-101
- **Operating Temperature:** -25°C to 60°C
- **Storage Temperature**: -40°C to 85°C
- **Power Input**: 14 VDC
- **Mounting**: 2-pole ETS, designed for indoor unit installation

Item number: INMBSTOS001R000

The Toshiba-Modbus interface allows full bidirec onal communica on between Toshiba VRF and Digital air condi oner units and Modbus RTU (RS-485) networks. The interface acts as a server device for the installa on, accessing all signals from the air condi oner unit. A wired remote controller can also be part of the network.

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 func on This func on 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.
- Mulple moun ng options Moun ng op ons include DIN rail, wall, or, in some AC models, even inside the indoor unit.
- Dual configura on op ons Configura on 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 indica on.
- No external power required The interface is powered directly from the AC unit, so no external power supply is required.

Toshiba VRF and Digital systems to Modbus RTU Interface

General	
Net Width (mm)	53

Net Height (mm)	58
Net Depth (mm)	93
Net Weight (g)	95
Packed Width (mm)	14
Packed Height (mm)	8
Packed Depth (mm)	10
Packed Weight (g)	101
Operating Temperature °C Min	-25
Operating Temperature °C Max	60
Storage Temperature °C Min	-40
Storage Temperature °C Max	85
Power Consumption (W)	1.19
Input Voltage (V)	14 VDC
Power Connector	2-pole
Configuration	ETS
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.
AC Model Compatibility	Toshiba VRF and Digital systems

General	
Content of Delivery	Intesis gateway and installation manual.
Mounting	DIN rail mount (bracket included), Wall mount
Housing Materials	Plastic
Warranty (years)	3 years
Packaging Material	Cardboard
Identification and Status	
Product ID	INMBSTOS001R000
Country of Origin	Spain
HS Code	8517620000
Export Control Classification Number (ECCN)	EAR99
Physical Features	

Connectors / Input / Output	EIA-485, HVAC port.
LED Indicators	Gateway and communication status.
DIP & Rotary Switches	EIA-485 serial port configuration. Gateway settings.
Certifications and Standards	
ETIM Classification	EC001604
WEEE Category	IT and telecommunications equipment

Use Case

- Integration example.

FAQs

Q: Is an external power supply required for the interface?
A: No, the interface is powered directly from the AC unit, eliminating the need for an external power supply.

Q: How can I monitor the running hours and errors of the air conditioner unit through Modbus RTU?
A: The interface provides access to internal variables that include a running hours counter for maintenance purposes and error indication for monitoring.

Documents / Resources

	[Intesis INMBSTOS001R000 VRF and Digital Systems to Modbus RTU Interface](#) [[pdf](#)] Owner's Manual INMBSTOS001R000, INMBSTOS001R000 VRF and Digital Systems to Modbus RTU Interface, INMBSTOS001R000, VRF and Digital Systems to Modbus RTU Interface, Digital Systems to Modbus RTU Interface, to Modbus RTU Interface, Modbus RTU Interface, RTU Interface

References

- [User Manual](#)

📁 Intesis

🏷 Digital Systems to Modbus RTU Interface, INMBSTOS001R000, INMBSTOS001R000 VRF and Digital Systems to Modbus RTU Interface, Intesis, Modbus RTU Interface, RTU Interface, to Modbus RTU Interface, VRF and Digital Systems to Modbus RTU Interface

---

Leave a comment

Your email address will not be published. Required fields are marked *

Comment *

Name

Email

Website

☐ Save my name, email, and website in this browser for the next time I comment.

Post Comment

Search：

| e.g. whirlpool wrf535swhz | **Search** |