

Bosch Commercial & VRF systems to Modbus RTU Interface

Item number: INMBSACA032I000

The Bosch-Modbus gateway allowed bidirectional communication between Bosch Commercial and VRF systems and Modbus RTU (RS-485) networks, bringing total control and supervision of the AC unit through its internal variables. Please refer to the new product reference for further details.



Replaced by: IN770AIR00MO000

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 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.
- ✓ **Quick and easy installation**
The installation process takes only seconds; just plug in the interface and set up the DIP switches.
- ✓ **Reduced dimensions**
The interface has a really small footprint.

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General

Net Width (mm)	53
Net Height (mm)	58
Net Depth (mm)	93
Net Weight (g)	90
Packed Width (mm)	64
Packed Height (mm)	92
Packed Depth (mm)	120
Packed Weight (g)	130
Operating Temperature °C Min	0
Operating Temperature °C Max	60
Capacity	Up to 32 indoor units.
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 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	INMBSACA032I000
Successor	IN770AIR00MO000_MBS_BOS

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Identification and Status

Country of Origin	Spain
HS Code	8517620000
Dual Usage	No
Export Control Classification Number (ECCN)	EAR99

Physical Features

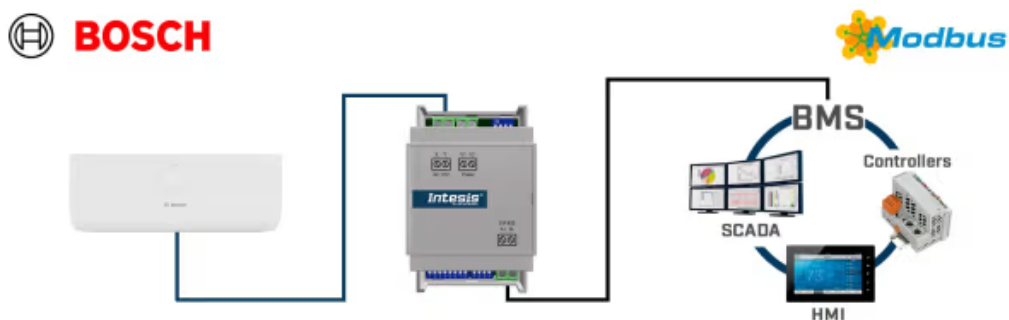
Contains Battery	No
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Certifications and Standards

ETIM Classification	EC001604
CE	Yes
CB	Yes
UKPSTI	Yes
UL	Yes
WEEE Category	IT and telecommunications equipment



Use Case



Integration example.