Universal IR Air Conditioner to BACnet MS/TP Interface

Item number: IN485UNI001I100

The Universal InfraRed (IR)-BACnet MS/TP device allows complete and natural integration of any air conditioner unit equipped with an infrared receiver into BACnet MS/TP networks. The device enables BACnet communication via polling or subscription requests (COV), making the indoor unit available through independent BACnet objects.

Universal IR to BACnet MS/TP - 1 indoor unit

Features and benefits

✓ **Support for BACnet/IP and BACnet MS/TP**

BACnet/IP (via Ethernet) or BACnet MS/TP (via EIA-485) connection options are supported.

✓ **Built-in room temperature and humidity sensors**

A room temperature sensor and a humidity sensor are built into the interface.

✓ **AC unit control by remote and BACnet MS/TP**

The AC unit can simultaneously be controlled via BACnet MS/TP and its own remote controller.

✓ **Configuration tool and interface automatic updates**

Both the Intesis MAPS configuration tool and the interface's firmware can receive automatic updates.

✓ **AC unit data served as fixed BACnet Objects**

Air conditioning unit properties and functionalities are abstracted into fixed BACnet Objects.

✓ **Automatic IR remote configuration via auto-learn**

An auto-learn function is available to set the IR remote controller configuration automatically.

✓ **Quick and easy configuration using Intesis MAPS**

Quick configuration of your Universal IR to BACnet MS/TP interfaces in one project via Intesis MAPS.

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Identification and Status

Product ID	IN485UNI001I100_BAC_UNI
Country of Origin	Spain
Export Control Classification Number (ECCN) ERP	8517620000
HS Code	8517620000
Export Control Classification Number (ECCN)	EAR99

General

Net Width (mm)	53
Net Height (mm)	58
Net Depth (mm)	93
Net Weight (g)	49
Capacity	1 indoor unit.
Installation Conditions	Install the gateway on the wall or place it on a desktop. It is recommended to check the device emplacement using the air conditioner IR remote controller, making sure that you can control the AC unit properly by pointing with the IR remote controller from the selected location.
AC Model Compatibility	Compatible with any air conditioner unit equipped with an infrared receiver.
Content of Delivery	Intesis gateway, power supply, adapter plugs (for EU, UK, USA, and AU), installation guide, extension cord.
Warranty (years)	3 years

Certifications and Standards

ETIM Classification	EC001604
WEEE Category	IT and telecommunications equipment

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Use Case

Integration example.