

BMS Automation Protocol Converter: Model GW BMS 01



BMS Converter is an external Building and Industrial Automation multi-protocol device server for OEMs wanting to provide protocol translation between Serial-Serial, Serial-Ethernet and Ethernet-Ethernet devices using Lon Works®, BACnet, Metasys N2, Modbus and more.

The Converter includes all the hardware and software to enable the customer's products to interface to various networks. Each Bacnet Converter is provided with the necessary protocol drivers. Multiple drivers can be installed on a single Converter. We can provide custom driver support when needed.

Features/Benefits

- The most flexible and versatile multi-protocol Device Server on the market.
- Supports virtual nodes allowing multiple OEM controllers to connect to a single converter and seen as separate controllers on the various field networks.
- TRUE protocol translation and not Protocol packet Encapsulation.
- 1200 points (for BMS 01) & 1500 points (for BMS01-02) can be mapped from Modbus RTU to BACnet IP & vice versa.
- 2 Serial ports can support 2 different protocols at the same time
- Flash upgradeable.

Specifications

SERIAL PORT	: BMS01	: 1 RS-485, 2 Wire, 2 Pin Screw type terminals
	: BMS 01 02	: 2 RS-485, 2 Wire, 2 Pin Screw type terminals
Ethernet Port Connector	: 1 of 10/100 Ethernet port	: RJ45

Indications : LED's for Tx, Rx, Power

Power : 24V AC / 24V DC, Range 18 to 72 VDC 100mA @ 24V DC
Connector : 2 Pin Screw type

Environmental

Operating Temp : -40°C to 85°C
Relative Humidity : 5-90% RH, non-condensing

Enclosure

Dimensions : L x W x H: 10.0 x 7.0 x 4.2 cm
Mounting : DIN Rail

NOTE

- 32 devices can be multidropped on the Modbus RTU side
- Depending on site conditions this figure may increase or decrease
- 485 Repeater may have to be used in between the 485 chain to meet basic 485 criteria's
- 2 Serial ports can support 2 different protocols at the same time

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Ordering Information

MODEL NO	PROTOCOLS	
GW BMS 01	Modbus RTU	BACnet IP
GW BMS 01 02	Modbus RTU, 2 Serial Ports	BACnet IP

Connection Diagram

