

PRODUCT DATA SHEET

■ BGW8 MODBUS to BACnet IP & BACnet MS/TP Gateway

ENVIRCO'S BGW8-100 MODBUS to BACnet IP or MS/TP Gateway delivers a seamless, single-component solution for integrating ENVIRCO MODBUS fan motor controllers into a BACnet system. Designed for efficiency, the BGW8-100 exposes key MODBUS registers to a BACnet IP or MS/TP BMS with full read/write support. With easy setup and automatic discovery of connected MODBUS nodes, the BGW8-100 streamlines facility operations while saving time and money in cleanroom environments. The BGW8-100 is BACnet BTL listed and proudly carries the BACnet BTL mark, ensuring industry-standard compliance and reliability.

■ Features & Benefits

- Provides simultaneous BACnet IP and MS/TP connectivity to a MODBUS network.
- Supports up to 100 MODBUS fan Filter units
- Supports up to 10 Pressure, Temperature, and RH sensors (DSM's).
- Automatically discovers connected MODBUS nodes.
- Provides full access to key MODBUS registers.
- Embedded web server for LAN/WAN access.
- Autonomous function.
- Robust diagnostics.
- Compatible with our DSM (pressure, Temp, and RH)

■ Specifications

Network I/O

- Ethernet RJ45 port for BACnet IP and webserver
- RS485 screw terminal port for BACnet MS/TP
- RS485 screw terminal port for MODBUS network

Environment

- Operating Temp: -20 to 70°C (-4 to 158°F)
- Relative Humidity: 10% to 95% RH (non-condensing)

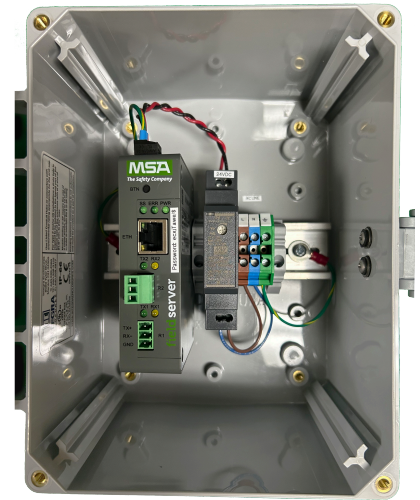
MODBUS Registers

FFU:

- DEFAULT RUN/STOP
- RUN/STOP
- SETPOINT
- RPM
- SENSOR INPUT 1
- DEFAULT SETPOINT

Distributed Sensor Modules:

- PRESSURE,
- TEMPERATURE,
- RH SENSOR VALUES



(Shown without cover)



BGW8 ships with RJ45 inline coupler and Cat5e network cable pre-installed for easy & quick connection to ENVIRCO fan filter units.

ENVIRCO USA | 101 McNeill Road | Sanford, NC 27330

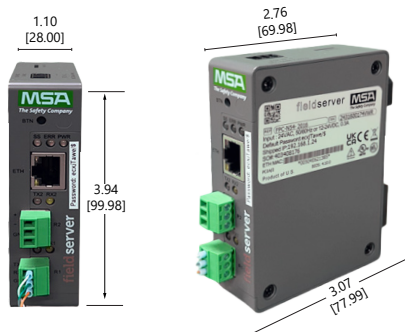
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Point Name	BACnet Object	BACnet Object ID	N2 Data	N2 Address
RunStop	BV	1	DO	1
Speed	AV	2	AO	2
Tach Feedback	AI	3	AI	3
Sensor Input 1	AI	3	AI	4
Default Speed	AV	5	AO	5
Default Run	BV	6	DO	6
Sensor Input 2	AI	7	AI	7

Part No.	Model No.	Panel Box	Power Requirements
273573-001	BGW8-100	no	12-24VDC or 24VAC
271551-002	BGW8-100K	yes	100-240VAC



BGW8- 100 (without box or power supply)



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BGW8- 100K (with panel box and power supply)



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