ENVIRCO
Innovators in clean air technology

PRODUCT DATA SHEET

■ BGW MODBUS to BACnet IP & BACnew MS/TP Gateway

ENVIRCO'S BGW MODBUS to BACnet IP and MS/TP Gateway provides a single-component solution for integrating Envirco fan filter units into a BACnet system. The product exposes eight 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 BGW gateway will save time and money in your facility or cleanroom. The BGW can be provided separately or mounted in a NEMA1 panel box with power supply.

The unit is BACnet BTL listed and carries the BACnet BTL mark.

■ Features & Benefits

- Provides simultaneous BACnet IP and MS/TP connectivity to a MODBUS network
- Two different models allowing for connection to 30 (BGW-30K) or 100 FFUs (BGW-100K)
- Automatically discovers connected MODBUS nodes
- Provides full access to eight key MODBUS registers
- Embedded web server for LAN/WAN access
- Autonomous function
- Robust diagnostics

■ Specifications

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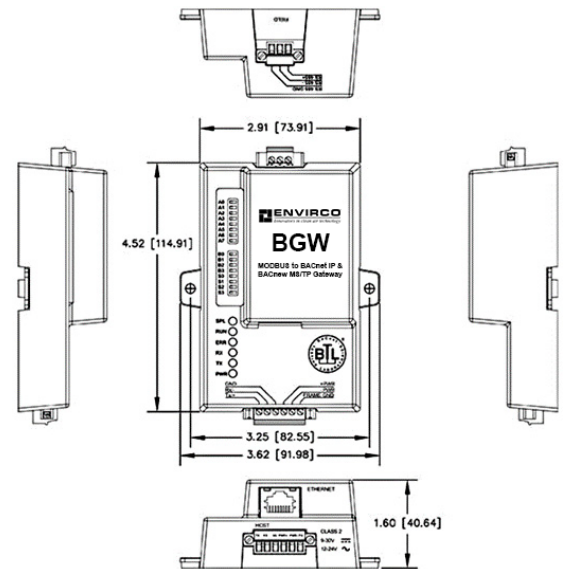- RS485 screw terminal port for MODBUS network

Environment
- Operating Temp: -40 to 75º (-40 to 167ºF)
- Relative Humidity: 5% to 90% RH (non-condensing)

Power Supply
- Input Voltage: 9-30VDC or 12-24VAC
- Max Current Consuption: 240mA

MODBUS Registers
- RUN/STOP
- SETPOINT
- TACH
- SENSOR INPUT 1
- DEFAULT SETPOINT
- DEFAULT RUN/STOP
- SENSOR INPUT 2
- PRODUCT ID

Dimensions
- 4.2 x 2.9 x 1.6" (11.5 x 7.4 x 4cm)

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