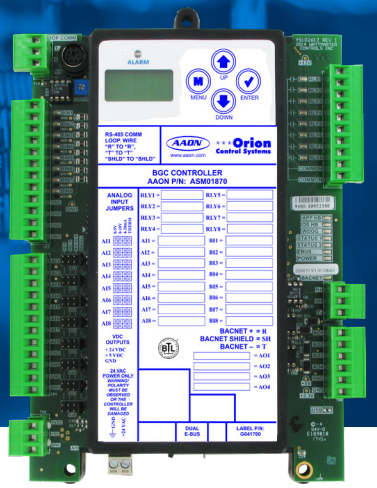
BACNET® GENERAL CONTROLLER ASM01870



Stay in control with customizable control solutions. AAON offers a wide range of control solutions to optimally regulate and monitor the operation of your HVAC systems.

PHYSICAL

Configurable Unit Controller that Can be Used for Multiple Applications

The BACnet® General Controller (BGC), is a stand-alone input/output module that uses BACnet® MS/TP communications.

The BGC has eight analog inputs, eight wet contact binary inputs, eight relay outputs, and four analog outputs. It also has two modular sensor ports for specific AAON communicating E-BUS temperature, humidity, and CO_2 sensors. The E-BUS Adapter Board can be used to accommodate additional E-BUS sensors.

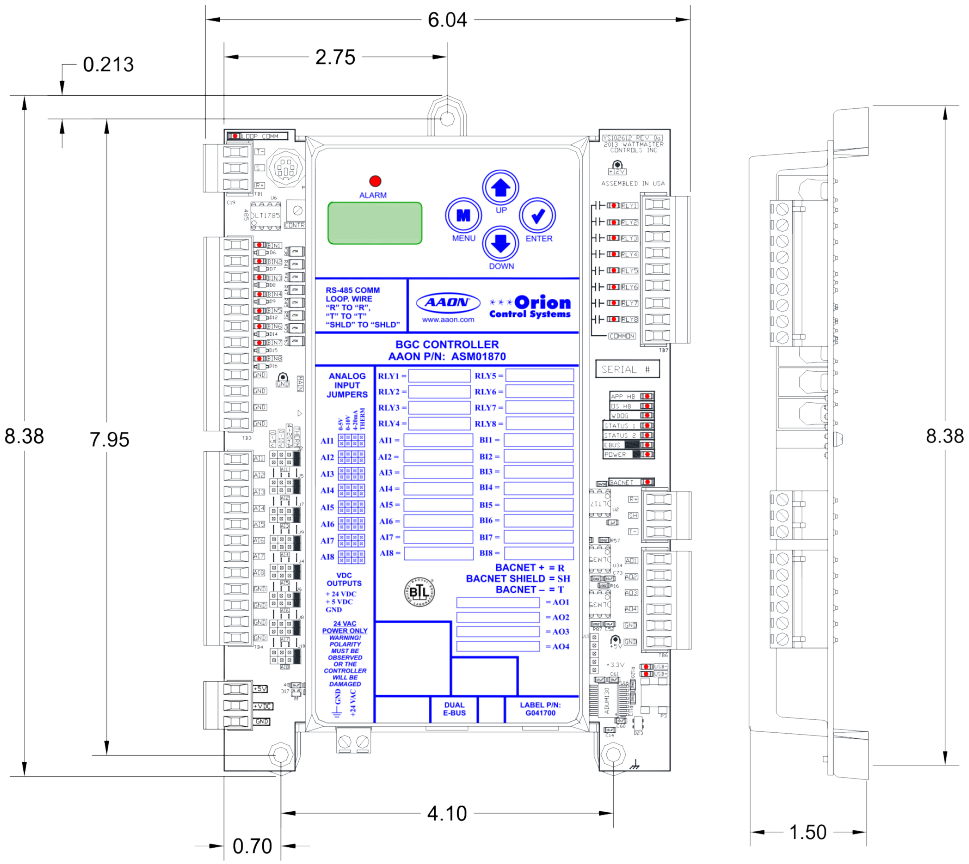
The BGC has no internal logic, but it allows a BACnet® front end to read the status of the analog and binary inputs. It also allows the front end to command the relay outputs to an on or off mode and to command the 0-10 VDC analog outputs to specific voltages.

The on-board 2 x 8 LCD display and buttons allow configuration of the BACnet® settings as well as showing the status of all the inputs and outputs. Configuration and scaling of the inputs is done through BACnet® writable points.

Electrical and Environmental	
Operating Power	18-30 VAC
Operating Temperature	-30°F to 150°F
Power Consumption	15 VA Maximum
Operating Humidity	0-95% RH Non-Condensing
Inputs	8 Analog Inputs, 8 Binary Inputs
Outputs	8 Relays, 4 Analog Outputs

Contact AAON Support for Technical Assistance

www.aaon.com/contact



INSTALLATION

Mounting

The BACnet® General Controller is housed in a plastic enclosure. It is designed to be mounted using the three mounting holes in the enclosure base and the included mounting screws (#8 x 1" sheet metal screws).

The controller needs to be installed in an environment which can maintain a temperature range of -22°F to 158°F not to exceed 95% RH levels (Non-Condensing). It is important to mount the device in a location that is free from extreme high or low temperatures, moisture, dust, and dirt. Be careful not to damage the electronic components when mounting the controller.

Scan the code for additional product information