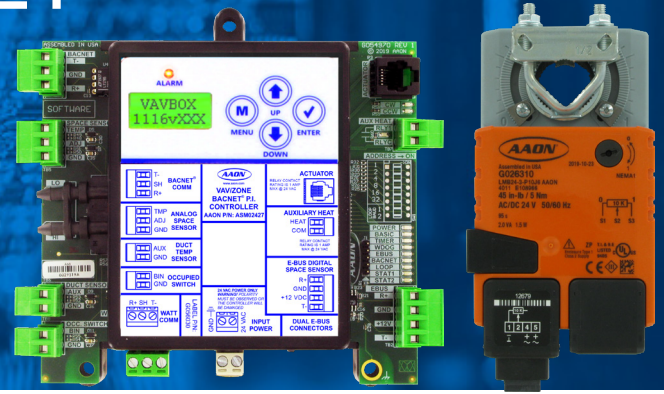




# P.I. VAV/ZONE BACNET® CONTROLLER AND ACTUATOR PACKAGE ASM02662



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

### Provide control of air volume dampers in VAV and Zoning BACnet systems

The P.I. VAV/Zone BACnet® Controller is designed for pressure independent VAV Box and Zone Damper applications. It is supplied with an integral Airflow Sensor and is mounted in a plastic enclosure.

The VAV/Zone BACnet® Controller is designed for use with a Damper Actuator with cable package. The controller and actuator can be purchased separately or as a combined package. The VAV/Zone BACnet® Controller connects to the actuator via the modular cable included with the actuator. One stage of Aux Heat is provided on the controller. The VAV/Zone BACnet® Controller is wired to the designated 3-pole terminal block or an E-BUS Digital Room Sensor wired to the designated 4-pole terminal block or connected via the EBC E-BUS port. The VAV/Zone BACnet® Controller also has a 2 pole terminal block for wiring a Discharge Temperature Sensor, if desired.

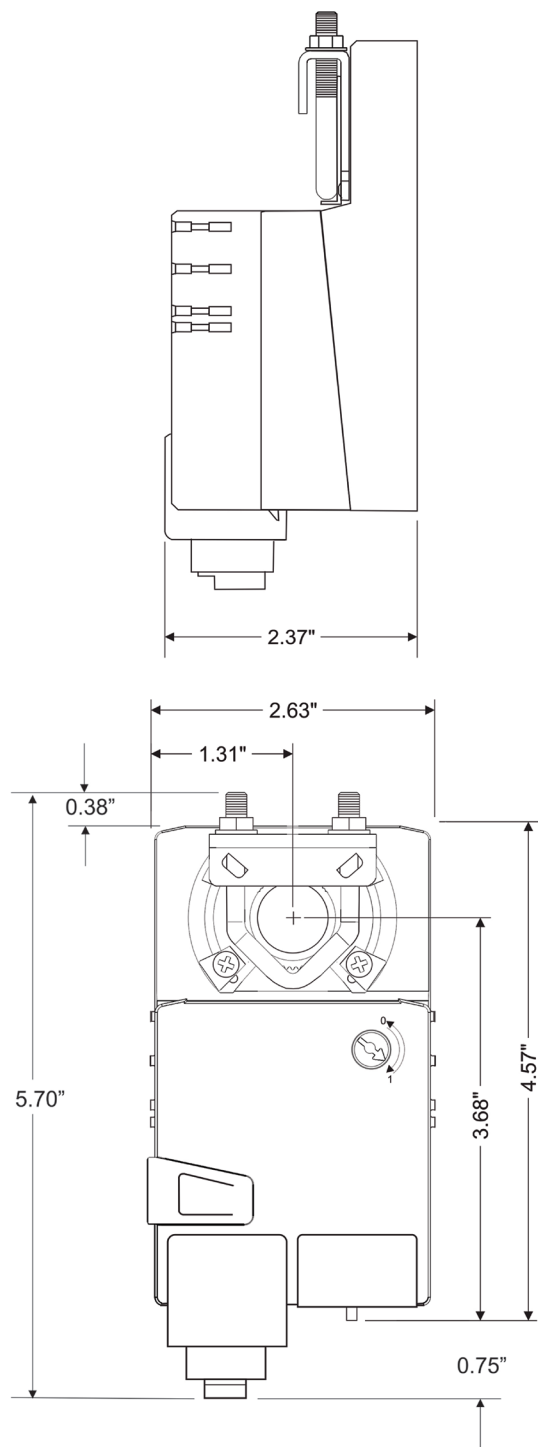
### Electrical and Environmental

Operating Power	18-30 VAC
Operating Temperature	-22°F to 158°F
Power Consumption	7 VA Maximum
Operating Humidity	0-95% RH Non-Condensing
Communications	RS-485, 57,600 Baud
Inputs	1 Binary Input
Outputs	4 Relay Outputs, 1 Analog Output

Contact AAON Support for Technical Assistance  
[www.aaon.com/contact](http://www.aaon.com/contact)



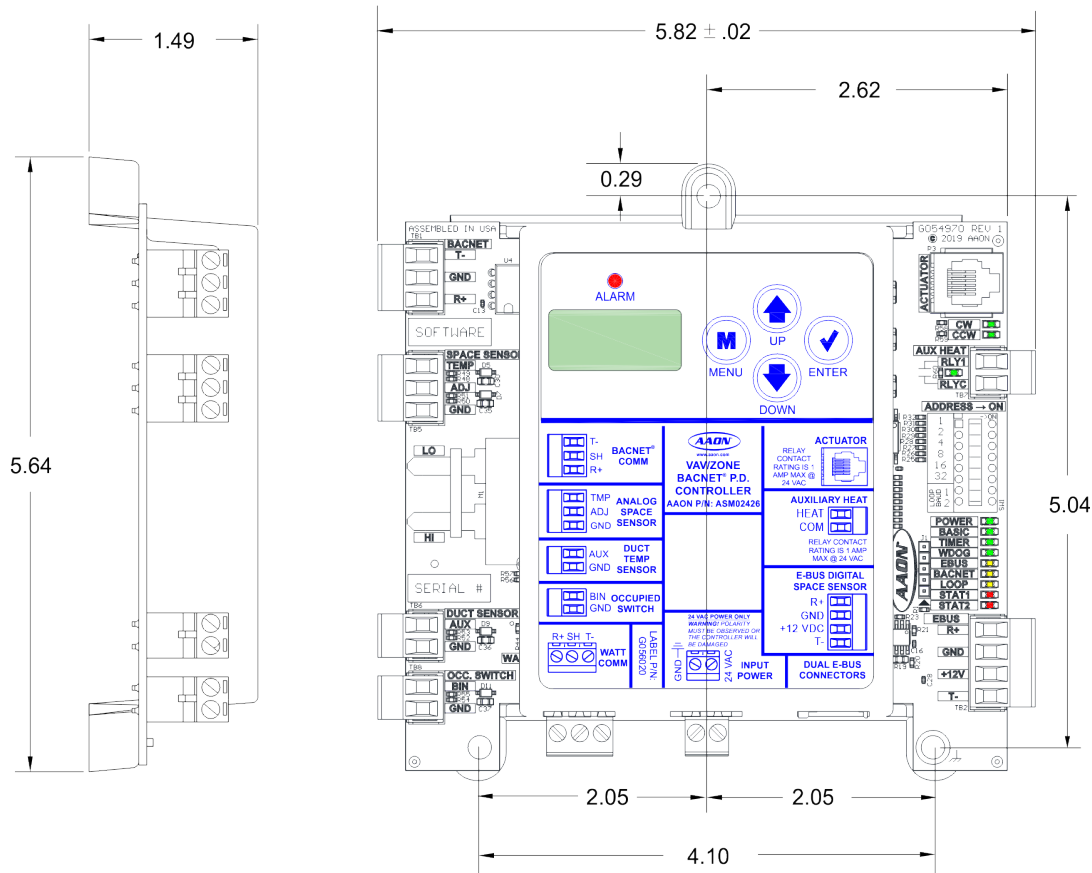
## Damper Actuator



Electrical and Environmental	
Operating Power	24VAC +/- 20% 50/60 Hz
Life Cycle Rating	2.5 Million Cycles
Operating Temperature	-22°F to 122°F
Power Consumption	3 VA Maximum
Operating Humidity	0-95% RH Non-Condensing
Shaft Size	Self-Centering - Adjustable from 3/8" to 1/2"
Overload Protection	Electronic Throughout 0 to 95° Rotation
Feedback Signal	10K ohm 1W Potentiometer
Running Time	80-110 Seconds
Angle of Rotation	Max. 95°, Adjustable with Mechanical Stops
Power Connection	RJ-11 Modular Jack
Servicing	Maintenance Free
Quality Standard	ISO 9001
Direction of Rotation	Reversible with Switch
Agency Listings	UL873 listed, CSA 4813 02 Certified and/or cULus acc. to UL 60730- 1A/-2-14, CAN/CSA E60730-1:02, CE acc. to 2004/108/EEC and 2006/95/EC
Torque	Minimum 45 in-lb.
Weight	1.2 lb.



## VAV/Zone BACnet® Controller



## INSTALLATION

### Mounting

The VAV/Zone BACnet® Controller Package is very easy to mount on the Orion round air damper. There are four conduit holes that are sized for  $\frac{1}{2}$ " conduit fittings that are provided for as part of the mounting plate that is on the Orion series of zone dampers.

The rectangular damper kit also has four  $\frac{1}{2}$ " conduit knock-outs in its enclosure. Detailed mounting and installation instructions are provided with each VAV/Zone BACnet® Controller Package.

Scan the code for additional product information

