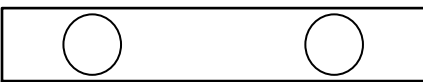


# OAC-5000 Wiring Diagram

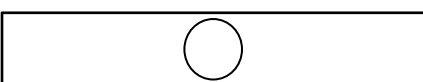
2-Position OA Damper Conversion to Modulating Damper  
Optional DCV Configuration: Analog CO<sub>2</sub> Sensor

IAT THERMAL DISPERSION  
OUTDOOR AIRFLOW PROBE(S)

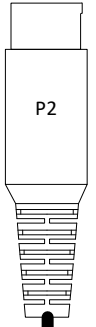
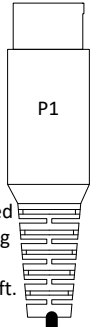
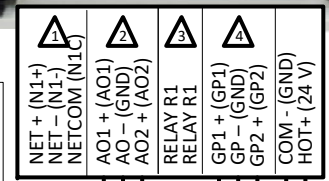
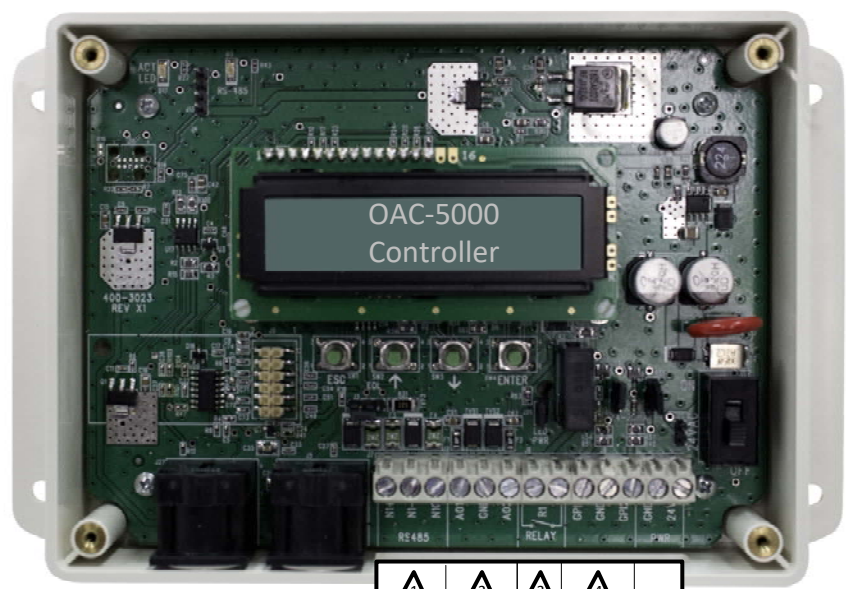
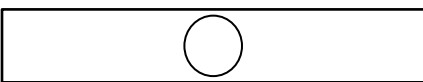
Probe #1 - 1 or 2 sensors  
(required)



or



Probe #2 - 1 sensor  
(optional if probe 1 is one sensor)



FEP Plenum Rated  
Cable w/DIN Plug  
Included  
10ft., 25ft. or 50 ft.

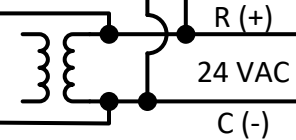
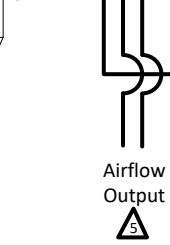
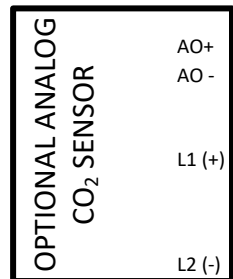
1 RS-485 may be "daisy-chained" to a remote B.A.S. BACnet objects are read-write. OAC controllers are a 1/4 load BACnet Master device. Set termination jumper (J3) on the OAC controller if it is located at the end of the RS-485 line. OAC controller RS-485 connections are non-isolated. Install a GreenTrol network isolator if an isolated RS-485 connection is required.

2 Actuator and/or CO<sub>2</sub> sensor signal common are not required when a single transformer is provided to devices without isolated outputs.

3 N.O. contact closure relay. 30 VDC or 24 VAC @ 3A max. On-board jumper (J26) allows relay to drive an external LED (by others).

4 GP1 is configured as a binary 0/24 VAC input for this application. Occupied mode is triggered by the 24 VAC signal that would normally open the 2-position actuator.

5 Do not connect the secondary of the 24 VAC transformer to earth ground if the airflow output on AO2 is connected to a B.A.S. requiring a floating output signal.



**OAC-5000**  
2-Position OA Damper  
Conversion to Modulating  
Control

Replace the 2-position outdoor air actuator with a modulating, proportional, actuator (spring return, failsafe closed advised) of sufficient torque for the outdoor air damper provided.

Use the 24 VAC, 2-position, actuator signal as the binary trigger signal for active control.

PROPORTIONAL  
ACTUATOR  
2-10 VDC  
0-5/0-10 VDC  
4-20 mA  
(by others)

