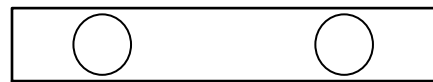


OAC-5000 Wiring Diagram

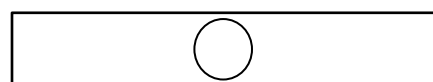
2-Position OA Damper Conversion to Modulating Damper
 Optional: RS-485 BACnet MS/TP CO₂ Sensor or Occupancy Counter

IAT THERMAL DISPERSION
 OUTDOOR AIRFLOW PROBE(S)

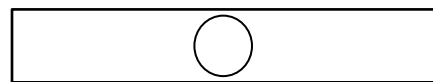
Probe #1 - 1 or 2 sensors
 (required)



or



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

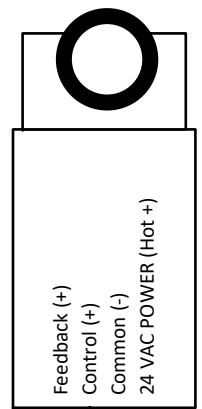


OAC-5000
2-Position OA Damper Conversion to Modulating Control

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)



1 RS-485 may be "daisy-chained" to a remote B.A.S. BACnet objects are read-write. EMOAC controllers are ¼ load BACnet Master device. Set termination jumper (J3) on the EMOAC-5000 controller if it is located at the end of the RS-485 line. The EMOAC-5000 controller RS-485 is non-isolated. Install a GreenTrol network isolator if an isolated RS-485 connection is required.

2 Actuator signal common is 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.

