

# OAC-3000 Wiring Diagram

Outdoor Airflow Control for Thermostat-based Systems

Optional DCV Configuration: RS-485 BACnet MS/TP CO<sub>2</sub> Sensor or Occupancy Counter

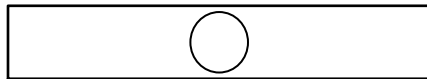
IAT THERMAL DISPERSION  
OUTDOOR AIRFLOW PROBE(S)

PROPORTIONAL  
ACTUATOR  
Belimo MP-bus

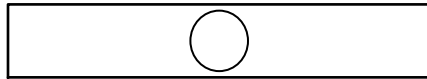
Probe #1 - 1 or 2 sensors  
(required)



or



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

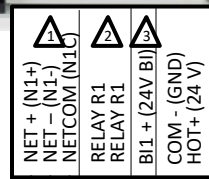
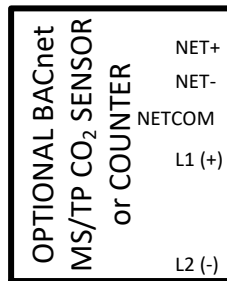


**⚠** RS-485 may be "daisy-chained" to a remote B.A.S. BACnet objects are read-write. OAC controllers are a 1/2 load BACnet Master device. Set termination jumper (J3) on the OAC controller if it is located at the end of the RS-485 line. OAC controller RS-485 connections are non-isolated. Install a GreenTrol network isolator if an isolated RS-485 connection is required.

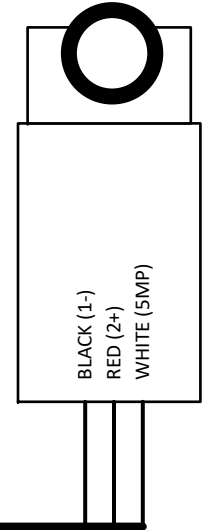
**⚠** N.O. contact closure relay. 30 VDC or 24 VAC @ 3A max. On-board jumper (J2) allows relay to drive an external LED (by others).

**⚠** BI1 is configured as a binary 0/24 VAC input for thermostat applications. Occupied mode can be triggered by 0 VAC or 24 VAC via firmware parameter BI TRIG (default is 24 VAC).

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



MP-bus Cable Provided  
2 ft., 5 ft. or 10 ft.



Occupied Control Enable Trigger:  
(select one)

- 1 Fan On
  - 2 Stage 1 Compr. On\*
  - 3 Occupied Mode
- \* Heat pumps only

