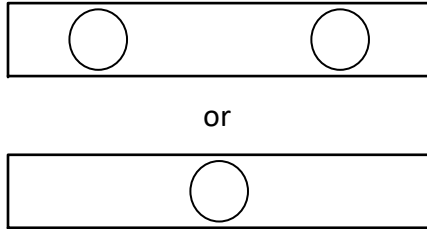


# EMOAC-5000 Wiring Diagram

**Economizer Controller (by others) Enhanced MOA Control (Fault Signal Supported)**  
 Optional DCV Configuration: RS-485 BACnet MS/TP CO<sub>2</sub> Sensor or Occupancy Counter

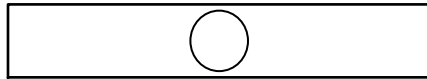
IAT THERMAL DISPERSION  
 OUTDOOR AIRFLOW PROBE(S)

Probe #1 - 1 or 2 sensors  
 (required)



or

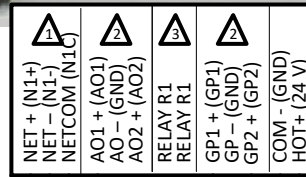
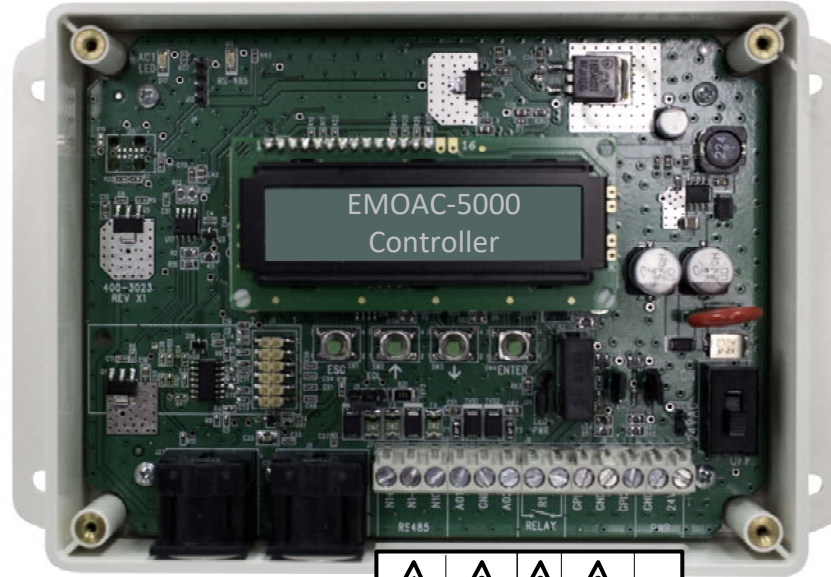
Probe #2 - 1 sensor  
 (optional if probe 1 is one sensor)



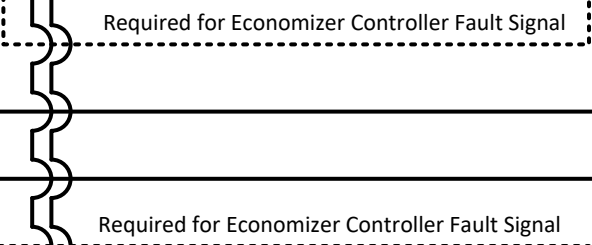
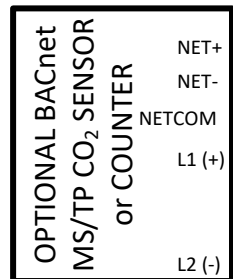
**1** RS-485 may be "daisy-chained" to a remote B.A.S. BACnet objects are read-write. EMOAC controllers are a 1/4 load BACnet Master device. Set termination jumper (J3) on the EMOAC controller if it is located at the end of the RS-485 line. EMOAC controller RS-485 connections are non-isolated. Install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

**2** Actuator and/or economizer controller 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).



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



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

