

## Minimum Outdoor Airflow Controller Modules for Systems with an Airside Economizer

OAC controllers are perfect for rooftop air handlers or air handlers with ducted outdoor air intakes when an airside economizer is installed. Controllers are designed for single or interlocked actuator systems. EMOAC controllers use the proportional control signal provided by the economizer controller (by others). EMOAC controllers require an integrated IAT airflow/temperature probe or approved third-party AMD.

Controllers can maintain a user defined outdoor airflow setpoint or maintain airflow rates between minimum and maximum airflow limits when CO<sub>2</sub> or population-based DCV is enabled. Controllers can also maintain an unoccupied airflow setpoint.

### EMOAC-4000 Minimum Outdoor Airflow Controller

The EMOAC-4000 modulates the control signal to a proportional analog outdoor/return air damper actuator to maintain the minimum ventilation rate required whenever the economizer controller (by others) is in minimum outdoor air mode. The controller can be configured to maintain an unoccupied outdoor airflow setpoint to provide unoccupied pressurization. DCV requires approved BACnet MS/TP CO<sub>2</sub> sensors or occupancy counters. The EMOAC-4000 does not support economizer controllers that require an actuator feedback signal (see the EMOAC-5000).



### EMOAC-5000 Minimum Outdoor Airflow Controller

The EMOAC-5000 has an additional analog input and analog output compared to the EMOAC-4000. As a result, the OAC-5000 can support actuator feedback to the economizer controller or be used with analog CO<sub>2</sub> sensor if feedback is not required. Like the EMOAC-4000, the EMOAC-5000 can be used with approved BACnet MS/TP CO<sub>2</sub> or occupancy counters.

