

## **Minimum Position Sequences**

The six minimum position sequences include: Minimum Position, VFD Economizer Minimum Position Reset, Fixed Variable, Low Ambient Minimum Position, Air Monitoring Station Reset, and Demand Ventilation.

### **Minimum Position**

When the control is in the Occupied mode and the FAN output is energized, the economizer is positioned to the Minimum Position Setpoint unless another economizer function commands it open or closed.

When the control is in the unoccupied mode there is no minimum position.

### **VAV Economizer Minimum Position Reset**

#### ***Setpoints and Related Data***

Setpoints and related data include:

- Economizer Damper Minimum Position Low Speed Fan (LowSpeedFan-MinPos)
- Economizer Minimum Position Setpoint (Econ-MinPos)
- FAN Control Type - Variable Speed (FanCtl-Type)

#### ***Operation***

Operation details include:

When the control is in the occupied mode and the FAN output energizes and the VFD output reaches 100%, the Economizer Damper position is the Economizer Minimum Position Setpoint.

When the VFD output reaches 50%, the Economizer Damper position is the Economizer Damper Minimum Position Low Speed Fan.

When the VFD output is between 100% and 50%, the Economizer Damper is position proportionally between Economizer Minimum Position Setpoint and Economizer Damper Minimum Position Low Speed Fan.

Note: To disable the VAV economizer minimum position reset, set the Economizer Minimum Position Setpoint and the Economizer Damper Minimum Position Low Speed Fan to the same value.

### **Fixed Variable**

#### ***Setpoints and Related Data***

Setpoints and related data includes:

- Economizer Damper Minimum Position Low Speed Fan (LowSpeedFan-MinPos)
  - Economizer Minimum Position Setpoint (Econ-MinPos)
- 
-