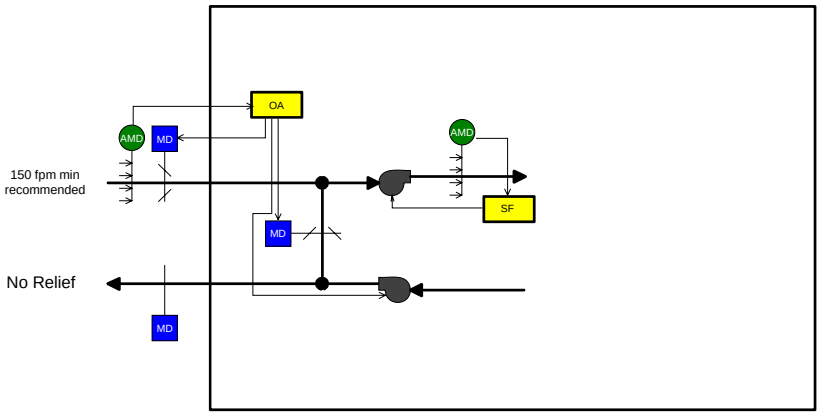
Constant Volume

Supply/Return Fan no Relief at AHU



Sequence: CV_SF_RF_noRelief

Minimum Outside Air Mode

SUPPLY FAN CONTROL

Modulate the supply fan VFD to maintain the supply airflow setpoint.

OUTSIDE AIR AND BUILDING PRESSURE CONTROL – MIN OA , NO RELIEF AT AHU

Modulate the return fan, outside air damper and return air damper, in sequence, to maintain the minimum outside airflow rate required to meet requirements for a.) dilution ventilation or b.) building pressure, whichever is greater.

Startup the system with the outside air damper set to a predetermined minimum position and the return air damper opened.

Modulate the return fan to reach setpoint. If the return fan reaches its maximum speed, begin to modulate the outside air damper closed until the setpoint is maintained. If the return fan reaches its minimum speed, modulate that outside air damper open. If the outside air damper reaches its fully opened position, begin to modulate the return air damper closed until the setpoint is maintained.

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