



**INTENT:**

FOR 100% OUTSIDE AIR AHU, MECHANICAL ROOM VENTILATION DAMPER, AND OTHER 100% OUTSIDE AIR ISOLATION DAMPERS WITH ASSOCIATED FANS, TO ALLOW DAMPERS TO BE FULLY FUNCTIONAL IN HAND OR AUTO, AND TO OPEN 100% PRIOR TO FAN START.

**SEQUENCE:**

**AUTO SELECT:**

AS SAFETY CIRCUIT IS SATISFIED AND CR1 IS ENERGIZED, THE DDC SYSTEM WILL SEND OUTPUT TO RELAY CRD ON DEMAND TO CALL FOR FAN ENABLE, ENERGIZING THE DAMPER MOTOR OR DAMPER MOTOR RELAY. WHEN DAMPER REACHES FULL OPEN POSITION THE DAMPER END SWITCH WILL CLOSE, ALLOWING FAN MOTOR TO START.

**HAND SELECT:**

AS SAFETY CIRCUIT IS SATISFIED AND CR1 IS ENERGIZED, THE DAMPER MOTOR OR DAMPER MOTOR RELAY WILL BE ENERGIZED. WHEN DAMPER REACHES FULL OPEN POSITION THE DAMPER END SWITCH WILL CLOSE, ALLOWING FAN MOTOR TO START.