

**NOTES:**

1. COLD DUCT DAMPER FAILS NORMALLY OPEN.  
HOT DUCT DAMPER FAILS NORMALLY CLOSED.
2. MAIN AIR SUPPLY CONSUMPTION IS 0.033 SCFM.
3. PART NUMBER DEPENDENT ON UNIT SIZE.

ITEM	PART NO	DESCRIPTION
1	10065001	KMC CONTROLLER CSC-3011
2	10058501	KMC DAMPER ACTUATOR MCP-8031
3	NOTE 3	FLO-CROSS SENSOR

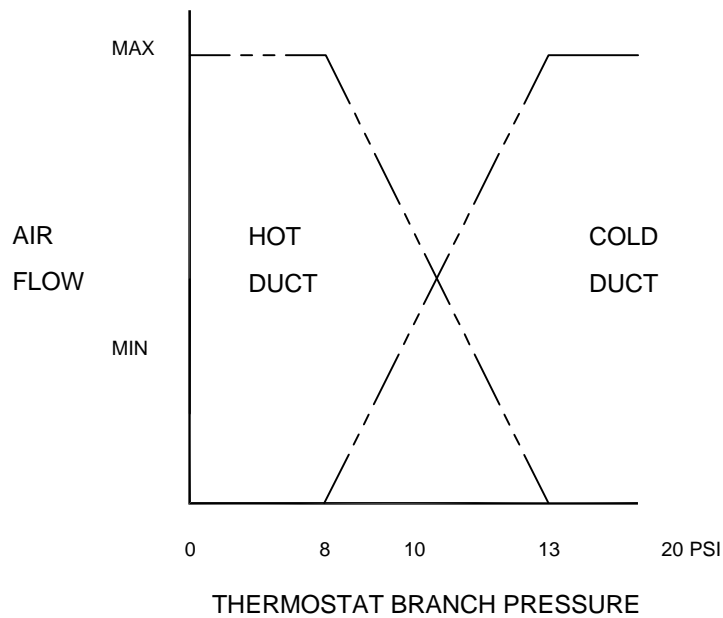
JOB NAME: \_\_\_\_\_  
 LOCATION: \_\_\_\_\_  
 ARCHITECT: \_\_\_\_\_  
 ENGINEER: \_\_\_\_\_  
 CONTRACTOR: \_\_\_\_\_

SUBMITTED BY: \_\_\_\_\_

REV LEVEL: A    DATE: 9/01    DWG NO: 1451

**DDV/DSV DUAL DUCT VAV**  
 PNEUMATIC CONTROLS - Direct Acting  
 N.O. Cold, N.C. Hot  
 Mixing

### CONTROL DIAGRAM



### SEQUENCE OF OPERATION

- 1.) Hot duct air flow is at maximum and cold duct air flow is at zero when the thermostat branch pressure is at 8 PSIG or less.  
On a rise in room temperature the thermostat branch pressure will increase and hot duct air flow will reduce to 0 and the cold duct air flow increases to maximum at 13 PSIG or greater. The reverse will occur with a drop in room temperature.
- 2.) The hot duct damper fails closed and the cold damper fails open with loss of pneumatic air.