

**NOTES:**

1. COLD DUCT DAMPER FAILS NORMALLY CLOSED.  
HOT DUCT DAMPER FAILS NORMALLY OPEN.
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

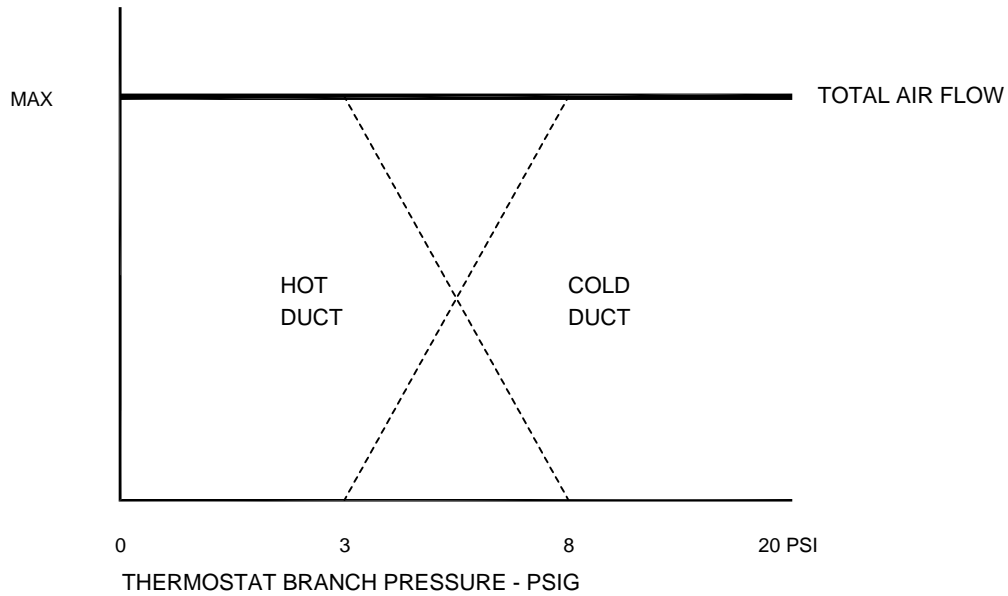
JOB NAME: \_\_\_\_\_  
 LOCATION: \_\_\_\_\_  
 ARCHITECT: \_\_\_\_\_  
 ENGINEER: \_\_\_\_\_  
 CONTRACTOR: \_\_\_\_\_

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

REV LEVEL: A    DATE: 9/01    DWG NO: 1403

**DDV DUAL DUCT VAV**  
 PNEUMATIC CONTROLS - Direct Acting  
 N.C. Cold, N.O. Hot  
 Total Air Flow Control

### CONTROL DIAGRAM



### SEQUENCE OF OPERATION

- 1.) Hot duct air flow is at maximum and cold duct is at zero when the thermostat branch pressure is at 3 PSIG or less. On a rise in room temperature the thermostat branch pressure will increase and hot duct air flow will decrease to zero at 8 PSIG. Simultaneously the cold air duct air flow will increase to maintain a constant total air flow. The reverse will occur with a drop in room temperature.
- 2.) The hot duct damper fails open and the cold damper fails closed with loss of pneumatic air.