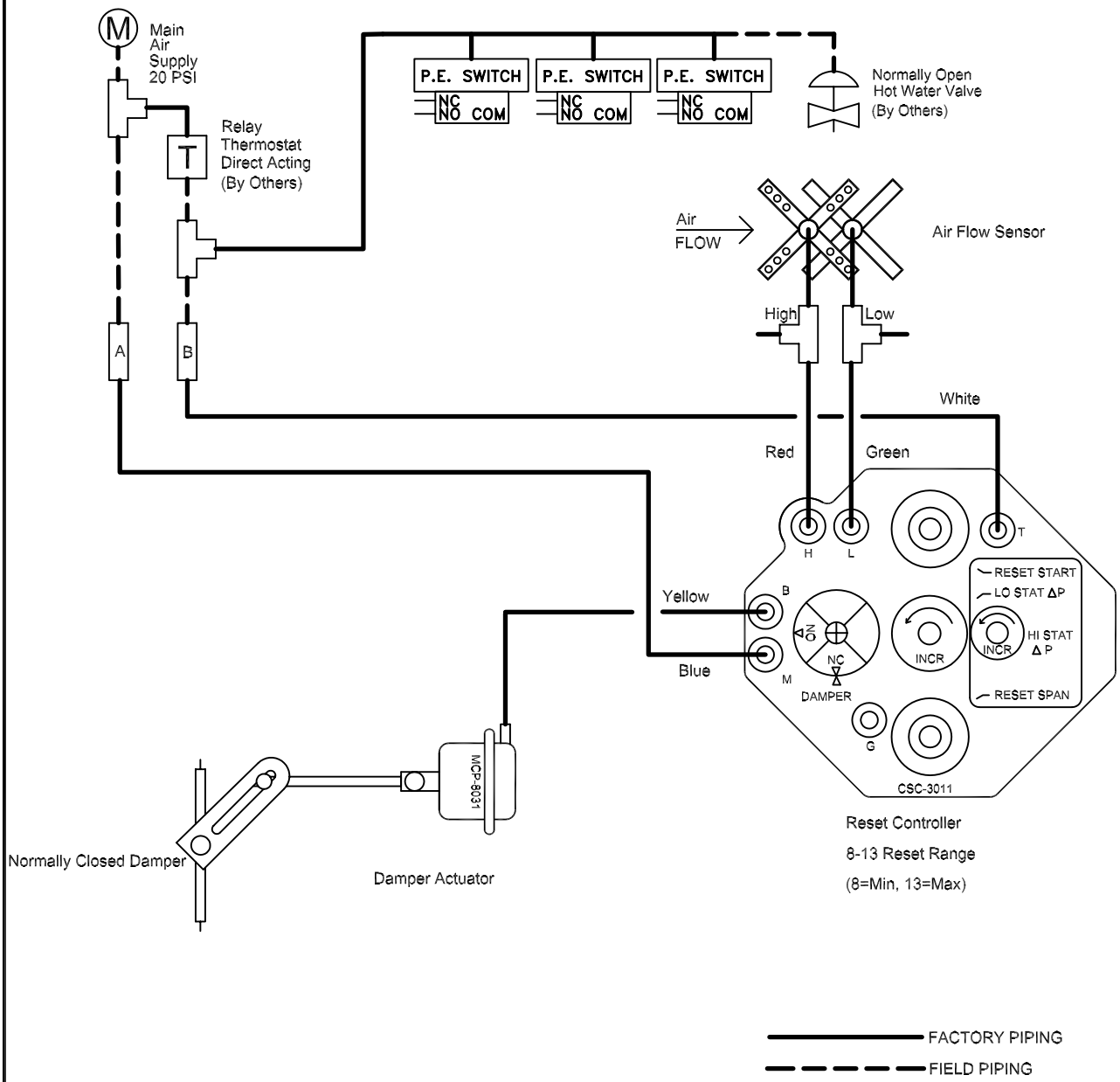
TUTTLE & BAILEY.
The First Name In Air Distribution

Control Diagram



NOTES:

1. DAMPER FAILS NORMALLY CLOSED.
2. MAIN AIR SUPPLY CONSUMPTION IS 0.017 SCFM AT 20 PSIG.
3. PART NUMBER DEPENDENT ON UNIT SIZE.

Job: _____ Location: _____ Architect: _____ Engineer: _____ Contractor: _____	Tag: _____ Submitted by:	SDV SINGLE DUCT VAV PNEUMATIC CONTROLS Direct Acting - Normally Closed
	CD-1204 10/09/2006	

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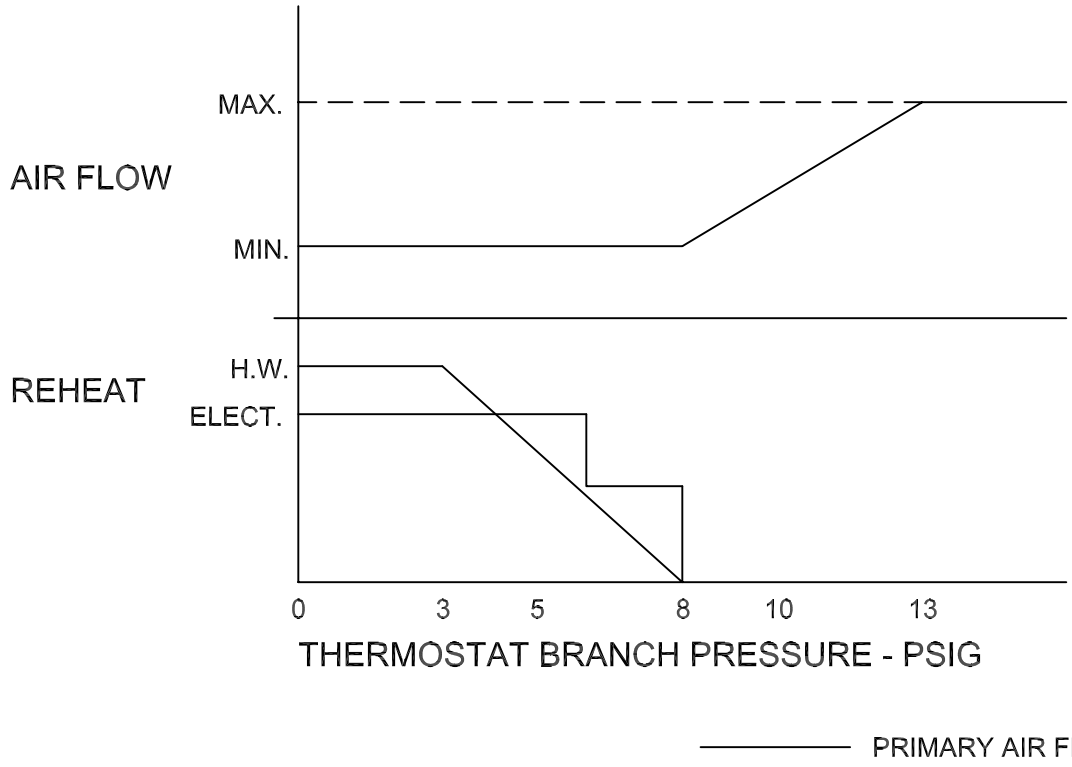

SEQUENCE OF OPERATION

1.) COOLING ONLY

Airflow is at minimum when thermostat branch pressure is below 8 PSIG. On a rise in room temperature, the thermostat branch pressure increases to 13 PSIG and air flow increases to maximum. The reverse will occur, with a drop in room temperature.

2.) COOLING WITH REHEAT

Primary air flow is at minimum and the reheat is energized when thermostat branch pressure is between 3-8 PSIG. As room temperature increase reheat is sequenced off. With a further rise in room temperature the thermostat branch pressure increases to 13 PSIG and primary airflow increases to maximum. The Reverse will occur with a drop in room temperature.

NOTE: Optional reheat control requires a normally open hot water valve or normally closed P/E switch.

3.) Damper fails closed with loss of pneumatic air.

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