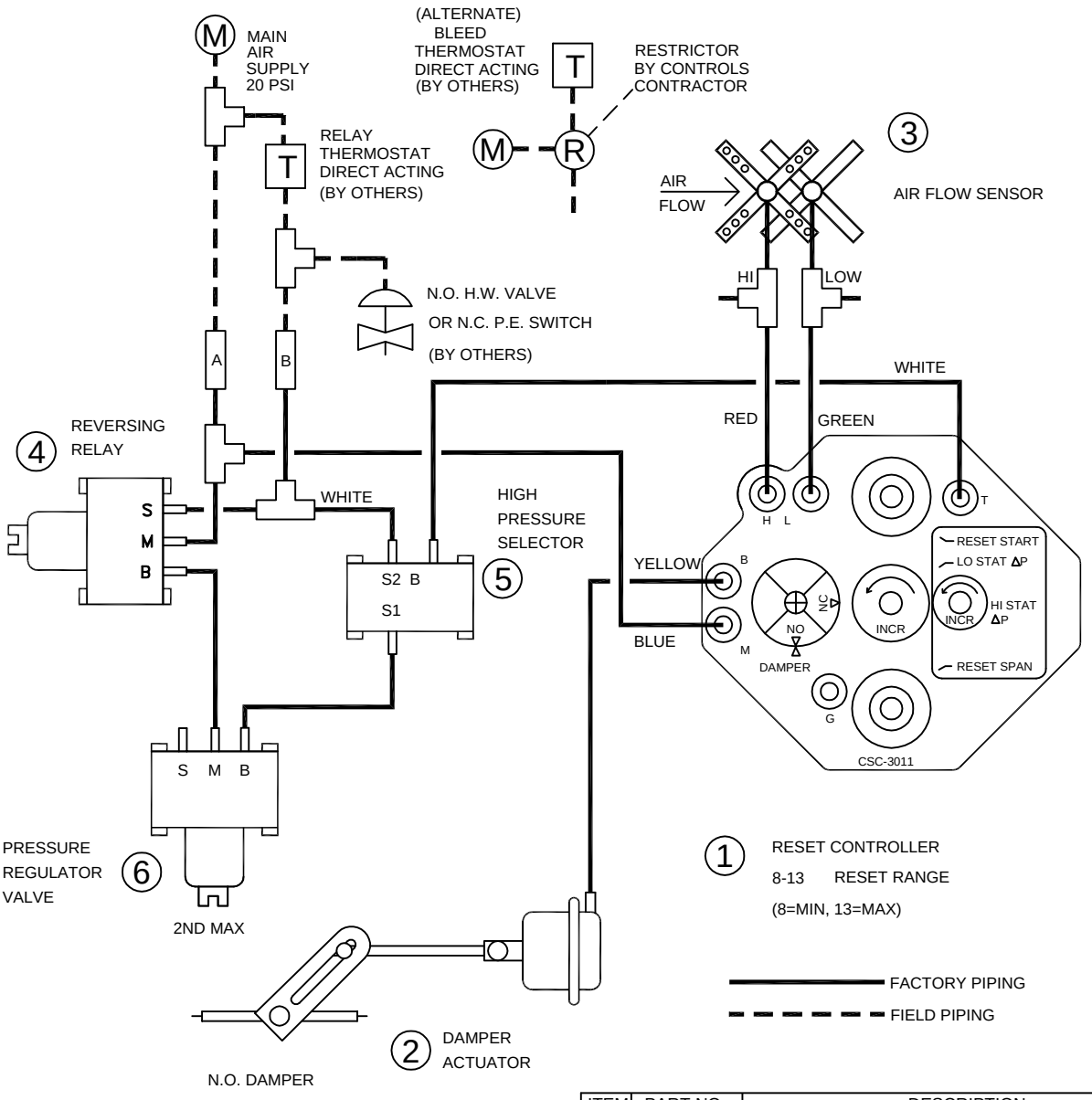
Tuttle & Bailey®

CONTROL PACKAGE



ITEM	PART NO	DESCRIPTION
1	10065001	KMC CONTROLLER CSC-3011
2	10058501	KMC DAMPER ACTUATOR MCP-8031
3	NOTE 3	FLO-CROSS® SENSOR
4	18241501	KMC REVRSING RELAY-RCC-1112
5	4140173	KMC HIGH PRESSURE SELECTOR-RCC-1108
6	18241501	KMC PRESSURE REG.-RCC-1112 (2ND MIN ADJ)

NOTES:

1. DAMPER FAILS NORMALLY OPEN.
2. MAIN AIR SUPPLY CONSUMPTION IS 0.037 SCFM AT 20 PSIG.
3. PART NUMBER DEPENDENT ON UNIT SIZE.
4. 2ND MAXIMUM MUST BE SET >8 AND <13 PSIG.

JOB NAME: _____

LOCATION: _____

ARCHITECT: _____

ENGINEER: _____

CONTRACTOR: _____

SUBMITTED BY:

REV LEVEL:	DATE:	DWG NO:
A	9/01	1201

SDV SINGLE DUCT VAV

PNEUMATIC CONTROLS

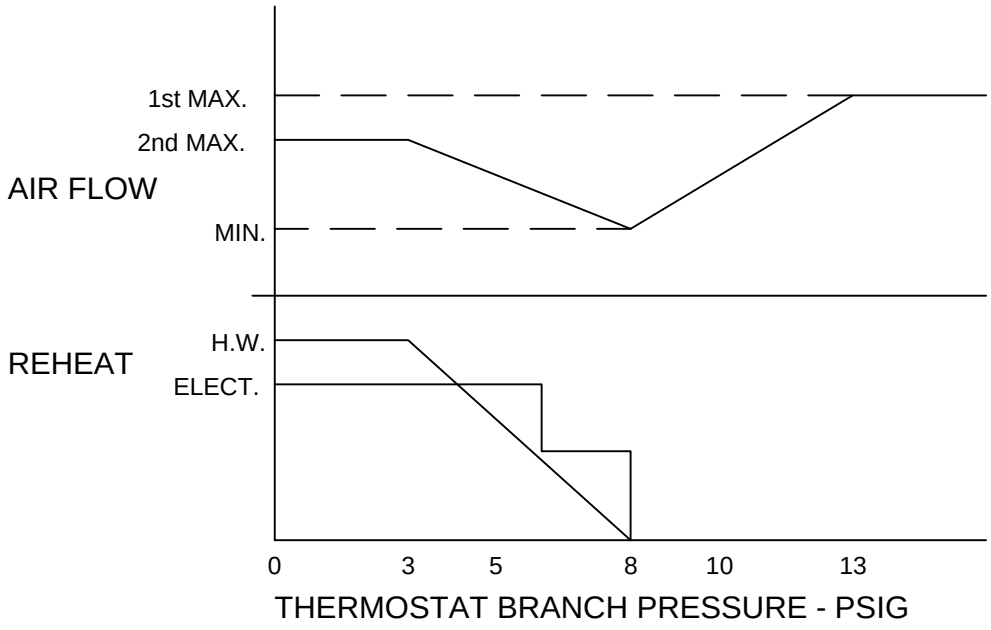
Direct Acting - Normally Open

Dual Maximum - Cooling with Reheat

Tuttle & Bailey®

CONTROL PACKAGE 1201

CONTROL DIAGRAM



——— PRIMARY AIR FLOW

SEQUENCE OF OPERATION

1.) COOLING WITH REHEAT

Primary air flow is at the 2nd maximum and the reheat is energized when thermostat branch pressure is less than 3 PSIG. As room temperature increases, thermostat branch pressure increases to 8 PSIG, and the second maximum decreases to minimum as reheat is sequenced off. A further rise in room temperature increases the thermostat brench pressure to 13 PSIG and increases airflow to cooling 1st maximum. With a drop in room temperature, the revers will occur

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

2.) Damper fails open with loss of pneumatic air.

3.) The 2nd maximum air flow must be lower than the 1st maximum.

4.) Heating availability is required at all times.