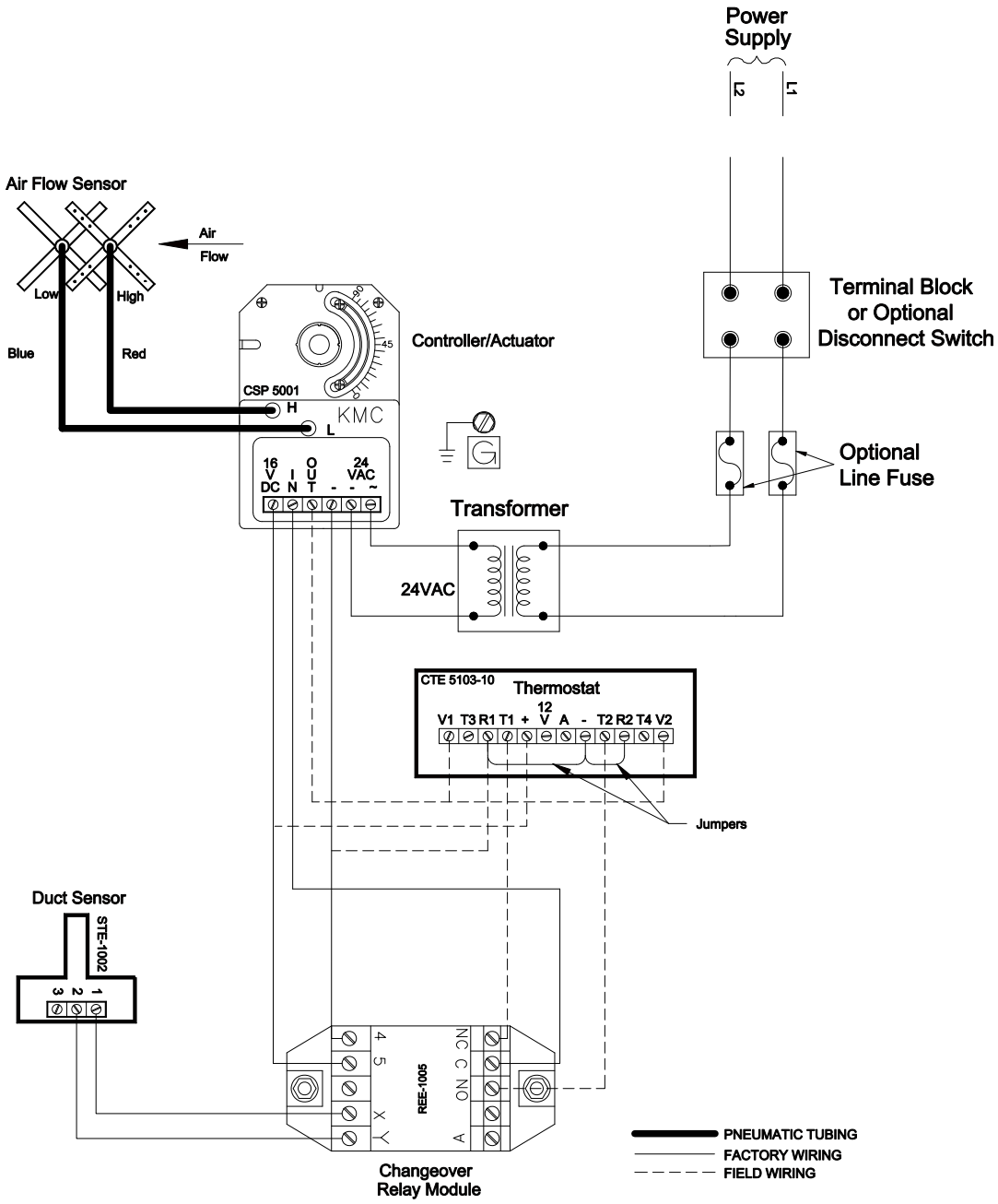
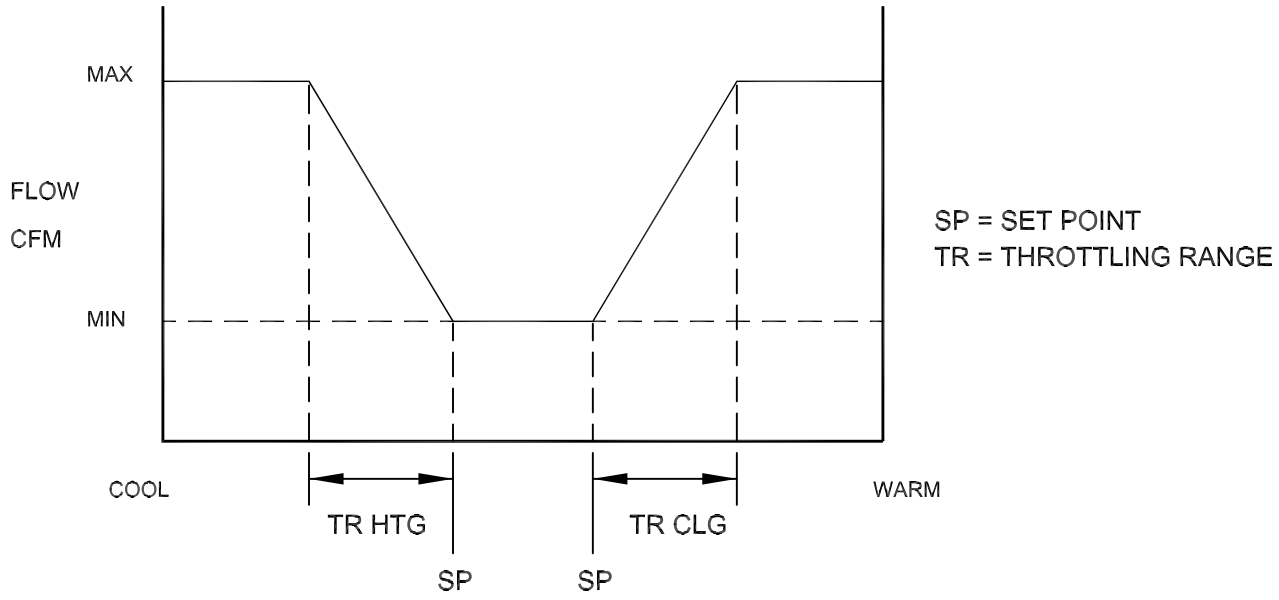
TUTTLE & BAILEY
The First Name In Air Distribution

Control Diagram



Job: _____	Tag: _____	SDV SINGLE DUCT VAV
Location: _____	Submitted by:	ANALOG ELECTRONIC CONTROLS
Architect: _____		Cooling / Heating
Engineer: _____		Duct Sensing Auto Changeover
Contractor: _____	CD-2201 4/12/2011	

CONTROL DIAGRAM



SEQUENCE OF OPERATION

1.) COOLING

Air flow is at minimum or shut off when room temperature is below setpoint. On a rise in room temperature the air flow increases to maximum, within the throttling range.

2.) AUTO CHANGEOVER

The changeover module initiates changeover by sensing supply duct air temperature, and programs the controller to automatically operate in the appropriate mode. The changeover occurs at fixed, non-adjustable factory settings, 77° F.±4° F. supply duct temperature for heating and 77° F.±4° F. for cooling.

3.) HEATING

Air flow is at minimum or shut off when room temperature is above setpoint. On a drop in room temperature the air flow increases to maximum, within the throttling range.

4.) LOSS OF POWER

With a loss of power to the controller, the damper will fail in place.

Job: _____ Location: _____ Architect: _____ Engineer: _____ Contractor: _____	Tag: _____ Submitted by:	SDV SINGLE DUCT VAV ANALOG ELECTRONIC CONTROLS Cooling / Heating Duct Sensing Auto Changeover
	CD-2201 (Page 2) 10/09/2006	