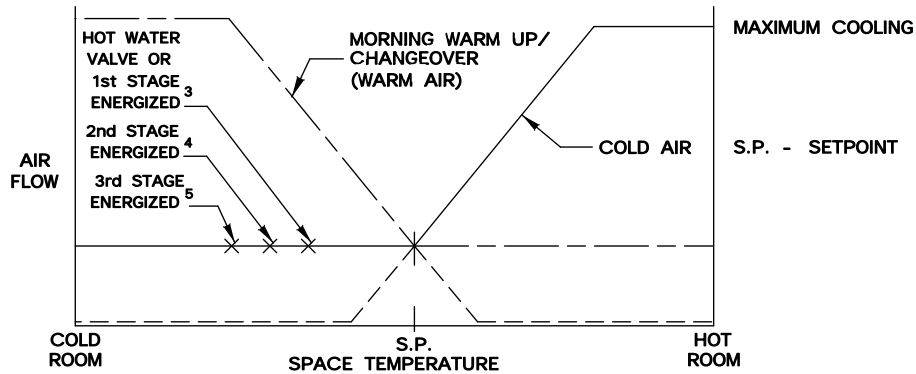


This series of control sequences provides single duct variable air volume cooling with up to three stages of electric or hot water reheat and morning warm up/changeover. As space temperature drops, airflow is reset from maximum to minimum setpoint. As space temperature continues to drop, reheat is energized in stages to satisfy the load. Warm air is sensed by an electronic duct sensor causing the sequence to reverse for morning warm up or summer/winter changeover (reheat is disabled). Air volume limits are located at the thermostat.

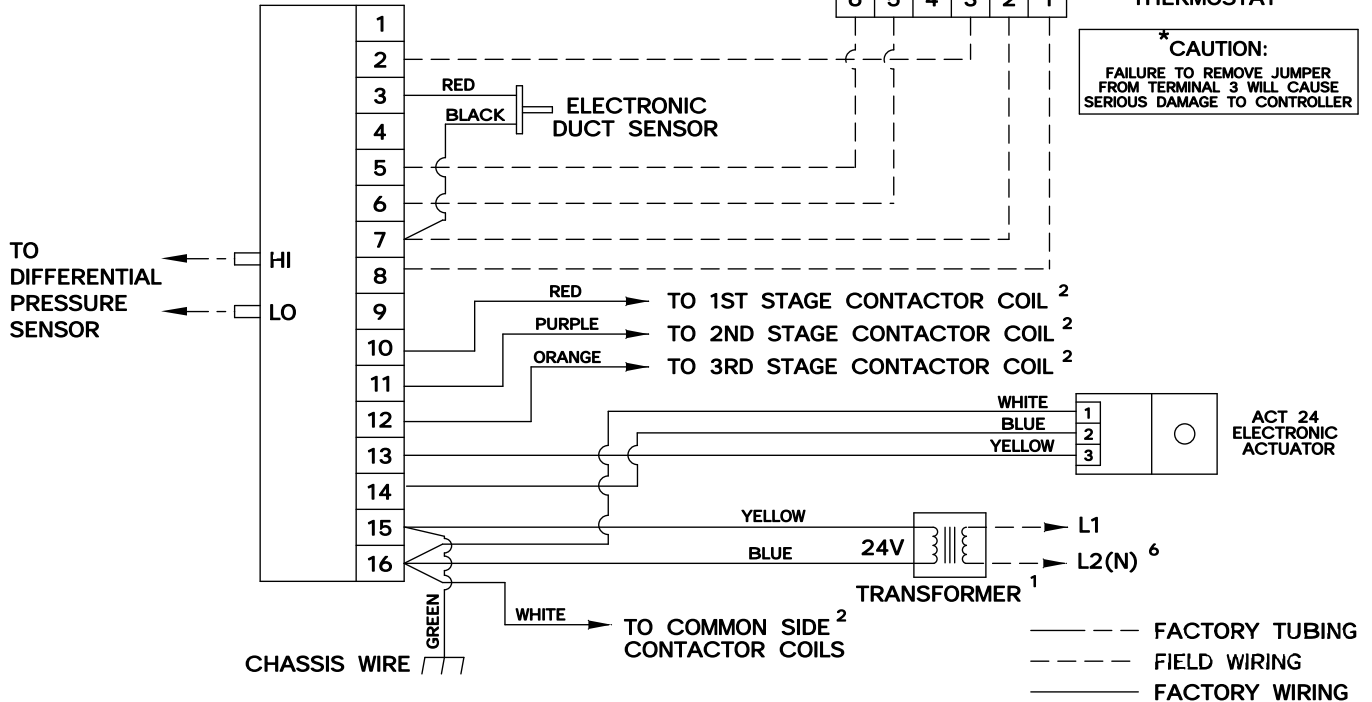


ELECTRONIC PRESSURE INDEPENDENT CONTROLLER

ETST5AW  
6 5 4 3 2 1

\* 2" SQUARE LOW<sup>9</sup> PROFILE ELECTRONIC THERMOSTAT

\* CAUTION:  
FAILURE TO REMOVE JUMPER FROM TERMINAL 3 WILL CAUSE SERIOUS DAMAGE TO CONTROLLER



<sup>1</sup> MINIMUM 40 VA

<sup>2</sup> MAXIMUM 10 VA HOLDING COIL

<sup>3</sup> ENERGIZED 2° F BELOW SETPOINT

<sup>4</sup> ENERGIZED 3° F BELOW SETPOINT

<sup>5</sup> ENERGIZED 4° F BELOW SETPOINT

<sup>6</sup> IF ELECTRIC HEAT IS PROVIDED, TRANSFORMER IS LOCATED IN HEATER ENCLOSURE- REFER TO HEATER WIRING DIAGRAM.

<sup>7</sup> WIRE FROM TERMINAL 5 OF CONTROLLER TO TERMINAL 6 OF THERMOSTAT NOT REQUIRED.

<sup>8</sup> IF HOT WATER REHEAT IS USED, FIELD WIRING IS REQUIRED.

<sup>9</sup> REMOVE JUMPER ON TERMINAL 3 BEFORE INSTALLATION.

SEQ. NO.	CONTROLLER NO.	HEAT STAGES	NOTES
SD705SB	ETPR0CD	0	7
SD706SB	ETPR1CD	1	8
SD707SB	ETPR2CD	2	—
SD708SB	ETPR3CD	3	—

**ENVIRO-TEC**  
ENGINEERING FOR EXCELLENCE

**SD705,SD706,SD707 & SD708 SB**

PRESSURE INDEPENDENT

DRAWING NO:

ELECTRONIC CONTROLS

20824

DRAWN BY: WDD DATE: 04/06/00 REV NO: 01 REV DATE: 06/27/00 APPROVED BY: W.E.