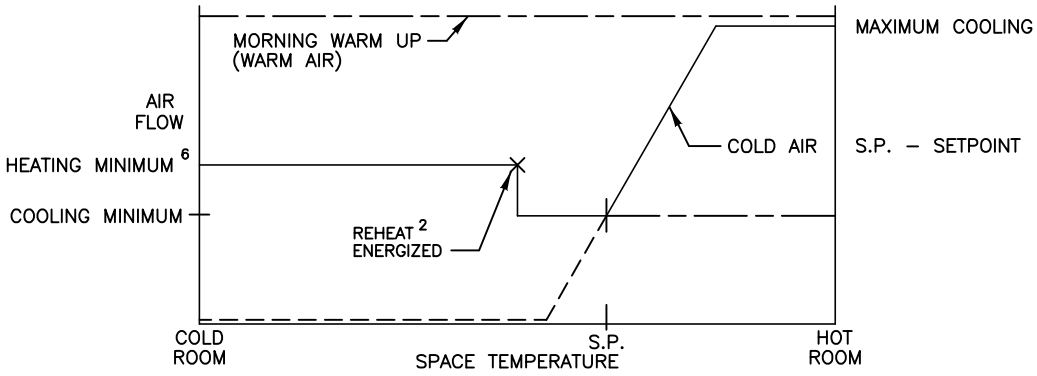
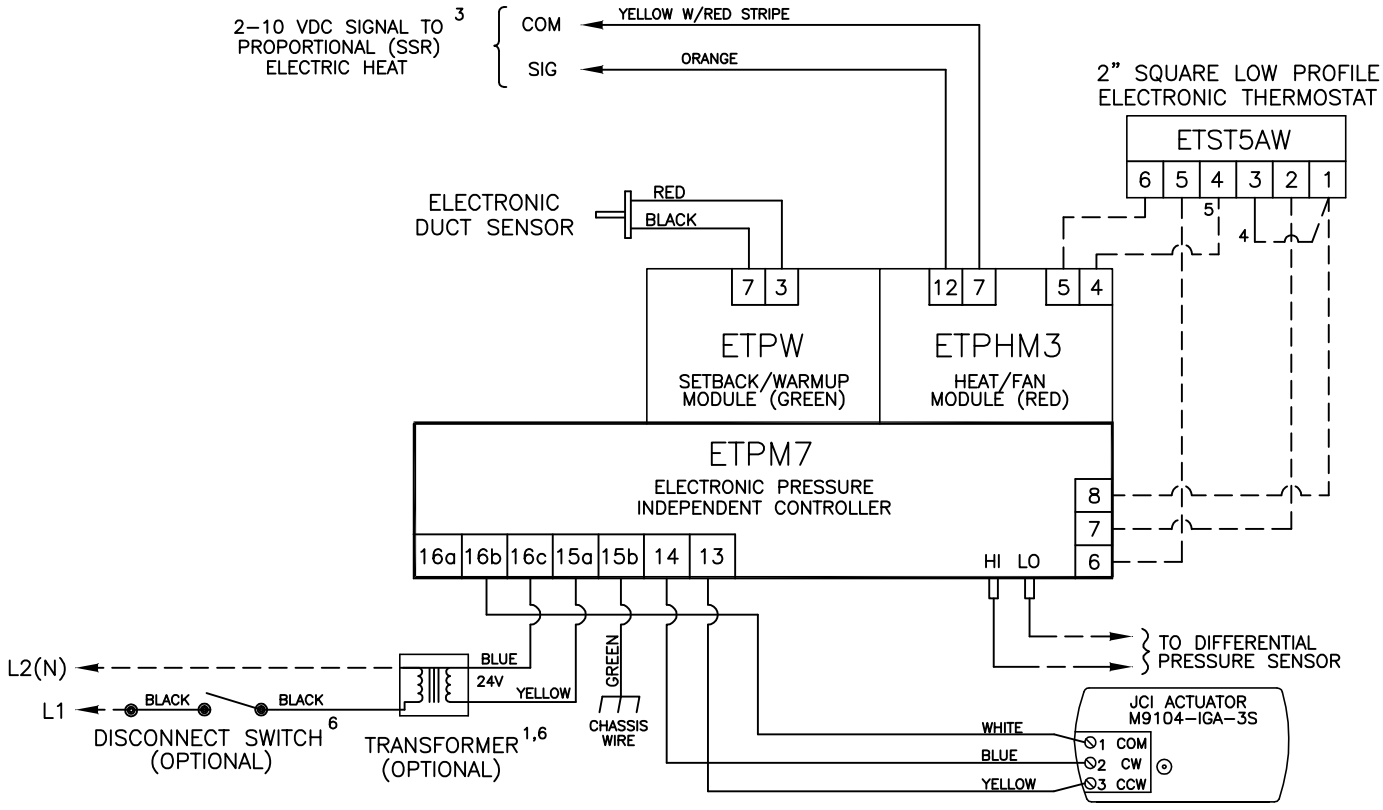
This application provides single duct variable air volume cooling with proportional modulating electric (SSR) reheat, morning warm up, and dual minimum setpoints. As space temperature drops, airflow is reset from maximum to minimum setpoint. As space temperature continues to drop, airflow is reset to a higher setpoint and reheat is modulated to satisfy the load. Warm air is sensed by an electronic duct sensor causing the air valve to open to maximum airflow setpoint for morning warm up (reheat is disabled). Air volume limits are located at the thermostat.





CONTROLLER ASSY. MODEL: ETPX1WDHP

1 MINIMUM 40 VA. TRANSFORMER IS LOCATED IN HEATER ENCLOSURE–REFER TO HEATER WIRING DIAGRAM

2 ENERGIZED 2° F BELOW SETPOINT FULL ON AT 5° F BELOW SETPOINT

3 OFF AT 2 VDC, FULL ON AT 10 VDC

4 WIRE TERMINAL 3 TO TERMINAL 1 IN THE FIELD

5 IF DUAL MINIMUMS ARE NOT DESIRED, WIRE FROM TERMINAL 4 OF ETST5AW TO TERMINAL 4 OF ETPHM3 IS NOT REQUIRED

6 SEE ORDER FOR OPTIONAL ITEM REQUIREMENTS

— — — FACTORY TUBING
— — — — FIELD WIRING
——— FACTORY WIRING

TITLE:

SD7305

PRESSURE INDEPENDENT ELECTRONIC CONTROLS

ENVIRO-TEC
BY JOHNSON CONTROLS

DRN BY:	DATE:	SCALE:	DRAWING NO.
AWW	10/02/97	N/A	
CKD BY:	DATE:	REV:	19499
WAE	04/09/08	11	