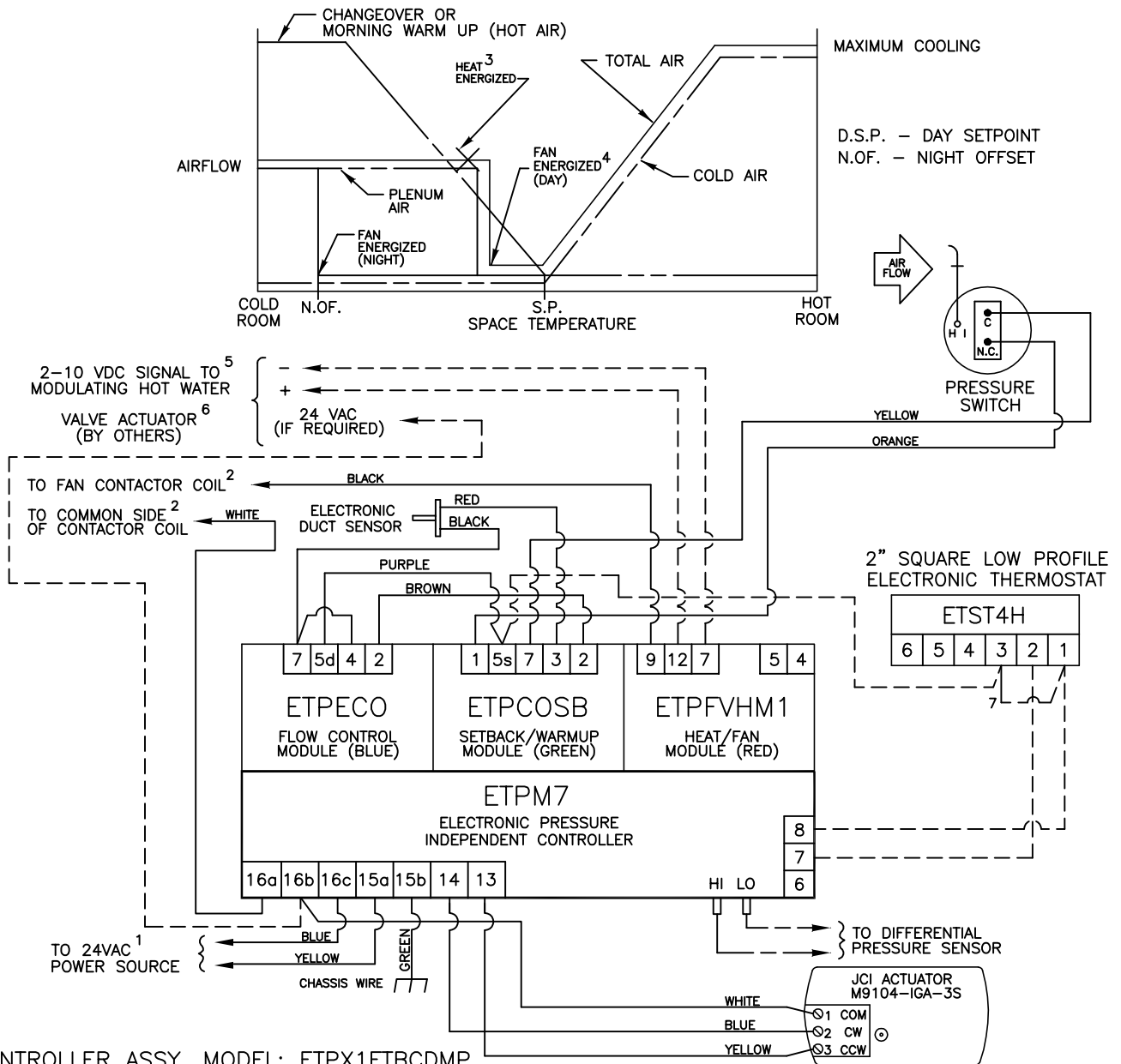


This application provides intermittent fan powered variable air volume control with proportional modulating hot water heat, night setback and summer/winter changeover and/or morning warm up. As space temperature drops, primary airflow is reset from maximum to minimum setpoint. As space temperature continues to drop, the unit fan is energized thus supplying plenum air to the space. On a further drop in space temperature, heat is modulated to satisfy the load. When system air is failed, the unit automatically switches into the night setback mode. The primary air valve remains closed and the unit fan and heat are cycled to maintain the night offset. When warm air is sensed by an electronic duct sensor, the unit fan and heat are deenergized and the primary air valve reverses operation for morning warm up. Air volume limits are located on the ETPECO module.



CONTROLLER ASSY. MODEL: ETPX1FTBCDMP

1 MINIMUM 40 VA. UP TO 20 VA AVAILABLE FOR HOT WATER ACTUATOR (BY OTHERS). REFER TO FAN WIRING DIAGRAM FOR TRANSFORMER AND RELAY WIRING, AND OTHER HIGH VOLTAGE WIRING.

2 MAXIMUM 10 VA HOLDING COIL

3 ENERGIZED 2° F BELOW SETPOINT FULL OPEN AT 5° F BELOW SETPOINT

4 ENERGIZED 1° F BELOW SETPOINT

5 CLOSED AT 10 VDC, OPEN AT 2 VDC. MAY ALSO BE USED WITH A 0-10 VDC INPUT VALVE ACTUATOR

6 SUPPLIED, MOUNTED AND WIRED BY OTHERS

7 WIRE TERMINAL 3 TO TERMINAL 1

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

TITLE:

FV7503

PRESSURE INDEPENDENT ELECTRONIC CONTROLS

ENVIRO-TEC
 BY JOHNSON CONTROLS

DRN BY: AWW	DATE: 10/21/97	SCALE: N/A	DRAWING NO.
OKD BY: WAE	DATE: 04/09/08	REV: 08	

19549

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