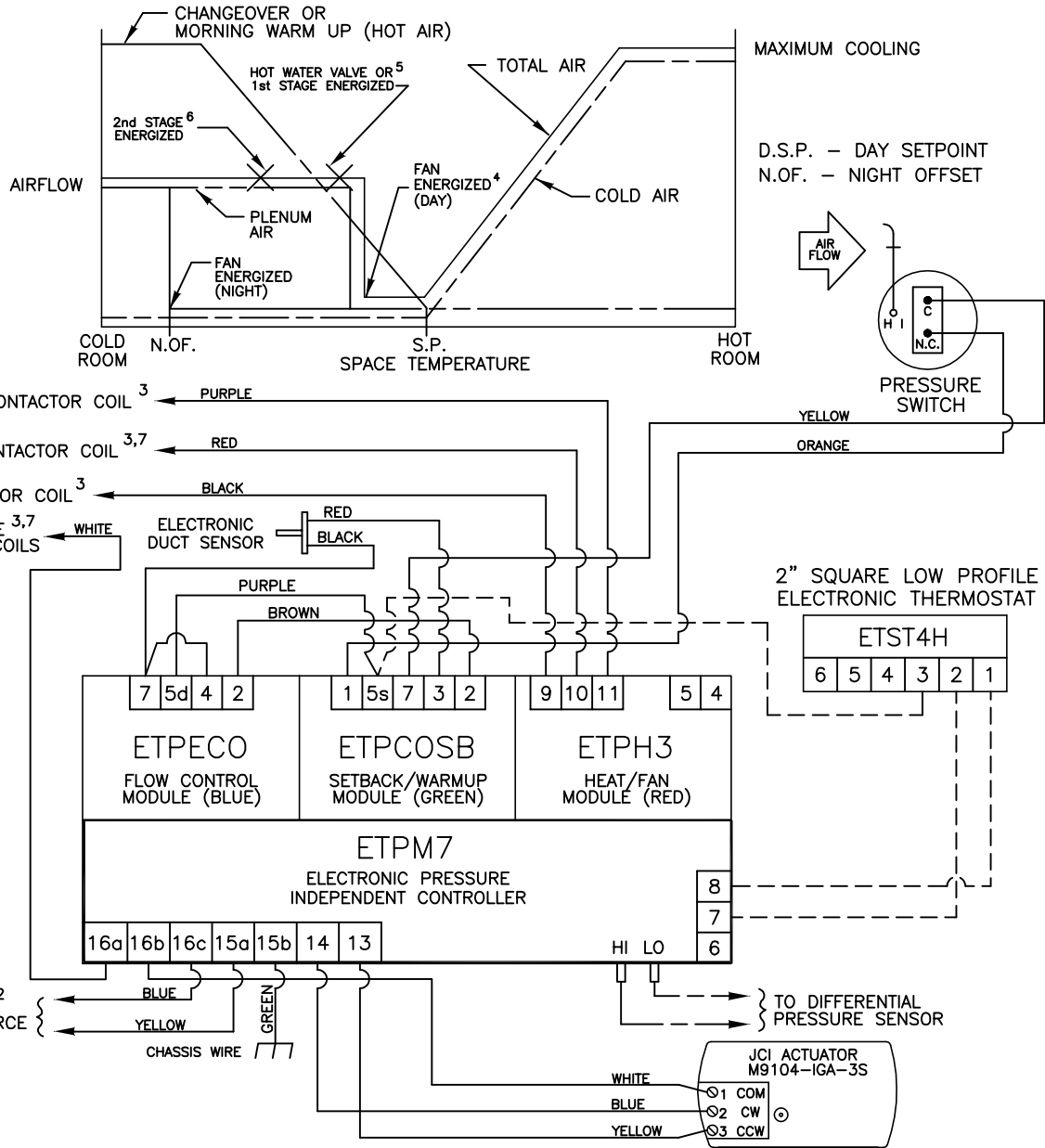


This application provides intermittent fan powered variable air volume control with up to two stages of electric or hot water heat, night setback and summer/winter changeover and/or morning warm up. As space temperature drops, primary airflow is reset from maximum to minimum setpoint. As space temperature continues to drop, the unit fan is energized thus supplying plenum air to the space. On a further drop in space temperature, heat is energized in stages 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: ETPXNTBCD

- 1 MINIMUM 40 VA
- 2 IF ELECTRIC HEAT IS PROVIDED, TRANSFORMER AND FAN RELAY ARE LOCATED IN HEATER ENCLOSURE—REFER TO HEATER WIRING DIAGRAM. OTHERWISE, REFER TO FAN WIRING DIAGRAM FOR TRANSFORMER AND RELAY WIRING, AND OTHER HIGH VOLTAGE WIRING.
- 3 MAXIMUM 10 VA HOLDING COIL
- 4 ENERGIZED 1° F BELOW SETPOINT
- 5 ENERGIZED 2° F BELOW SETPOINT
- 6 ENERGIZED 3° F BELOW SETPOINT
- 7 IF HOT WATER HEAT IS USED, FIELD WIRING IS REQUIRED.

--- FACTORY TUBING
 - - - FIELD WIRING
 _____ FACTORY WIRING

| | | | |
|--|---------------------------|---|--|
| FV7501 PRESSURE INDEPENDENT ELECTRONIC CONTROLS | | | |
| DRN BY: AWW DATE: 10/15/97 SCALE: N/A DRAWING NO. | DATE: 04/09/08 REV: 08 | 19540 | |
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