This application applies to Series Flow fan powered terminals providing up to two stages of electric or hot water heat, night setback and morning warm up. The unit fan draws either cold primary air or warm plenum air to satisfy the load. If plenum air fails to maintain setpoint, 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. Warm air is sensed by the electronic duct sensor causing the primary air valve to open to the maximum airflow setpoint for morning warm up (heat is deenergized). Air volume limits are located at the themostat. - TOTAL AIR MAXIMUM COOLING 2nd STAGE <sup>5</sup> ENERGIZED WARM HOT WATER VALVE or 1ST STAGE ENERGIZED PLENUM AIR COLD AIR D.S.P. - DAY SETPOINT **AIRFLOW** N.OF. - NIGHT OFFSET FAN ENERGIZED (NIGHT) НОТ COLD D.S.P ROOM SPACE TEMPERATURE TO 2ND STAGE CONTACTOR COIL 3 PURPLE (IF REQUIRED) TO 1ST STAGE CONTACTOR COIL  $^{3,6}$  RED (IF REQUIRED) 2" SQUARE LOW PROFILE TO FAN CONTACTOR COIL 3 **ELECTRONIC THERMOSTAT** TO COMMON SIDE 3,6 OF CONTACTOR COILS **ELECTRONIC** WHITE ETST5AW **BLACK** DUCT SENSOR 6 | 5 | 4 | 3 | 2 YELLOW AIR ORANGE 9 |10 |11 č 1 |5s| 7 | 3 5 4 **ETPWSB** ETPFH2 PRESSURE SETBACK/WARMUP MODULE (GREEN) HEAT/FAN MODULE (RED) **SWITCH** ETPM7 ELECTRONIC PRESSURE INDEPENDENT CONTROLLER 8 7 |16a|16b|16c|15a|15b| 14 6 HI LO TO DIFFERENTIAL PRESSURE SENSOR BLUE TO 24VAC 1,2 POWER SOURCE YELLOW JCI ACTUATOR M9104-IGA-39  $\Box$ WHITE -⊘1 COM BLUE -02 CW |⊙ YELLOW ©3 CCW CONTROLLER ASSY. MODEL: ETPXNFBWD <sup>1</sup> MINIMUM 40 VA <sup>5</sup> ENERGIZED 3° F BELOW SETPOINT 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. IF HOT WATER HEAT IS USED, FIELD WIRING IS REQUIRED. WIRE TERMINAL 3 TO TERMINAL 1 - FACTORY TUBING OTHER HIGH VOLTAGE WIRING. - — FIELD WIRING <sup>3</sup> MAXIMUM 10 VA HOLDING COIL FACTORY WIRING <sup>4</sup> ENERGIZED 2° F BELOW SETPOINT **ENVIRO-TEC** FC7401 BY JOHNSON CONTROLS PRESSURE INDEPENDENT ELECTRONIC CONTROLS DRN BY SCALE: N/A 05/31/97 DO NOT SCALE DRAWING
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