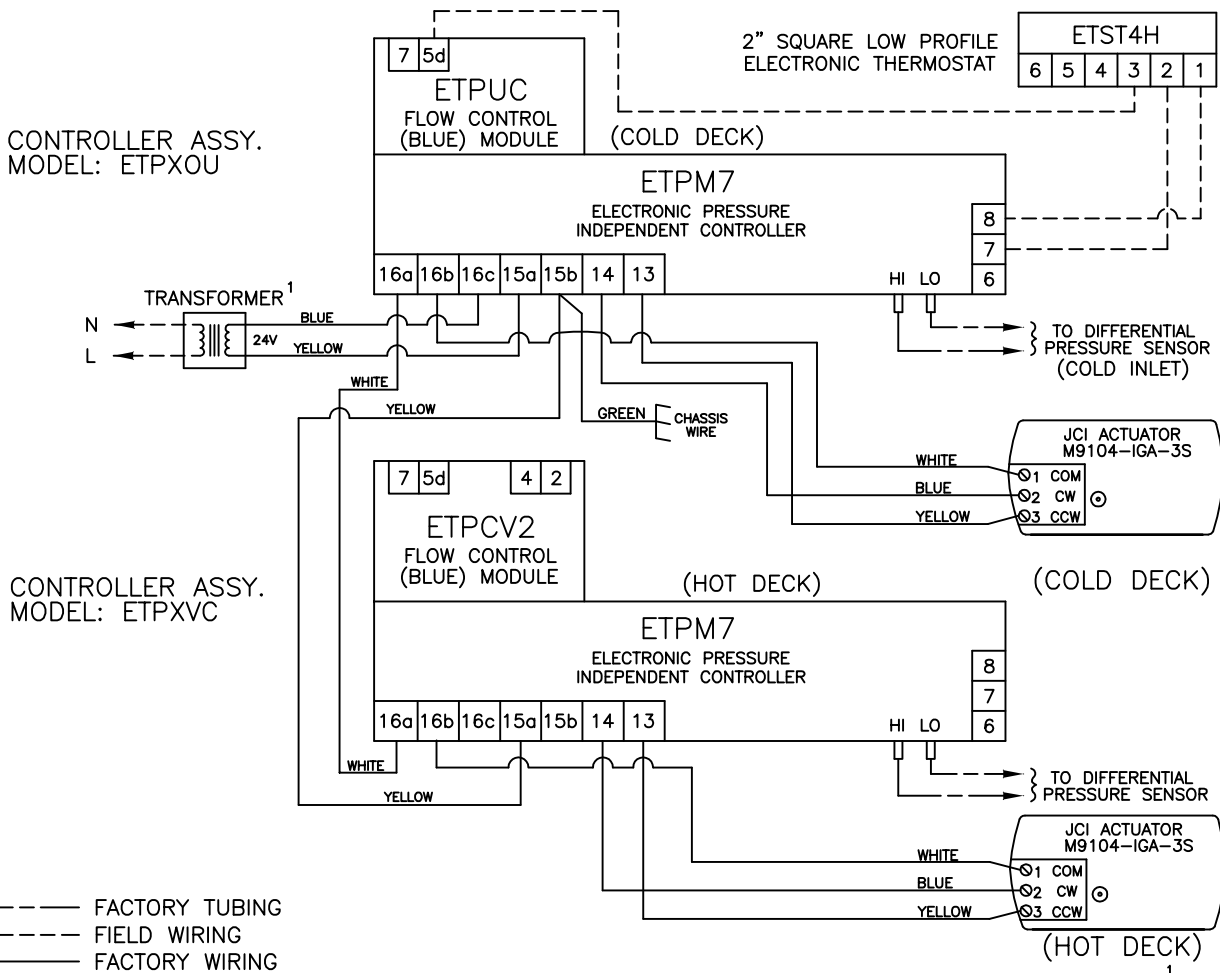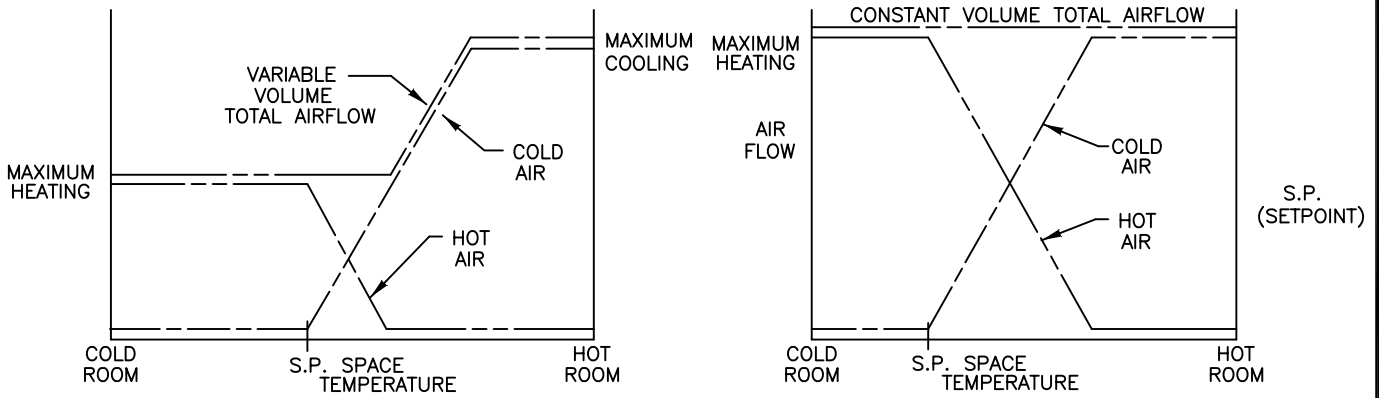This application provides dual duct constant or variable volume discharge control. When the space temperature is warm, the cold damper maintains maximum cooling setpoint while the hot damper maintains minimum heating airflow setpoint. As the space temperature drops, the cold damper modulates closed while the hot damper opens. As the space temperature continues to fall, the cold damper maintains minimum cooling airflow setpoint and the hot damper maintains maximum heating airflow setpoint. Airflow limits for the cold deck are located on the ETPUC module. Total airflow limit is located on the ETPCV2 module. Heating minimum airflow limit is set by the difference in cold deck maximum and total airflow limits.

CONTROLLER ASSY.
MODEL: ETPXOU

ETPUC FLOW CONTROL (BLUE) MODULE   7 5d

2" SQUARE LOW PROFILE ELECTRONIC THERMOSTAT   **ETST4H**   6 5 4 3 2 1

(COLD DECK)

ETPM7 ELECTRONIC PRESSURE INDEPENDENT CONTROLLER

16a 16b 16c 15a 15b 14 13   HI LO   8 7 6

TRANSFORMER[1]
N   BLUE
L   24V   YELLOW

} TO DIFFERENTIAL PRESSURE SENSOR (COLD INLET)

WHITE
YELLOW
GREEN ⌐ CHASSIS WIRE

JCI ACTUATOR M9104-IGA-3S
WHITE   1 COM
BLUE   2 CW
YELLOW 3 CCW

(COLD DECK)

CONTROLLER ASSY.
MODEL: ETPXVC

ETPCV2 FLOW CONTROL (BLUE) MODULE   7 5d   4 2

(HOT DECK)

ETPM7 ELECTRONIC PRESSURE INDEPENDENT CONTROLLER

16a 16b 16c 15a 15b 14 13   HI LO   8 7 6

WHITE
YELLOW

} TO DIFFERENTIAL PRESSURE SENSOR

JCI ACTUATOR M9104-IGA-3S
WHITE   1 COM
BLUE   2 CW
YELLOW 3 CCW

(HOT DECK)

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

[1]MINIMUM 20 VA

TITLE:
DT7100
PRESSURE INDEPENDENT ELECTRONIC CONTROLS

ENVIRO-TEC®
BY JOHNSON CONTROLS

DRN BY: AWW	DATE: 01/16/97	SCALE: N/A	DRAWING NO.
CKD BY: WAE	DATE: 04/09/08	REV: 10	19164