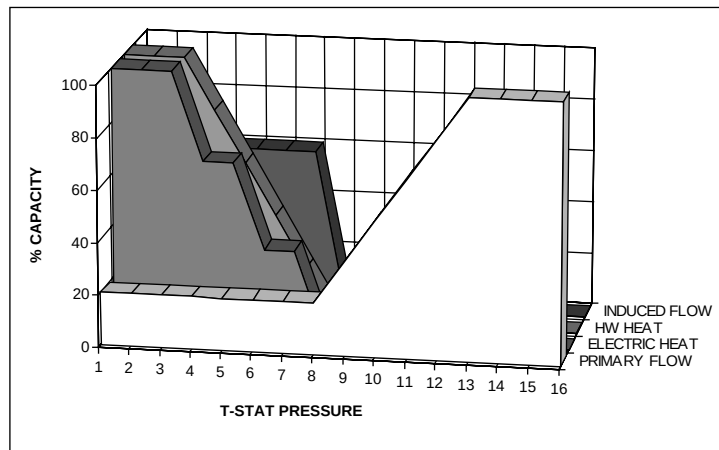




## VARIABLE VOLUME FAN POWERED TERMINAL UNIT PNEUMATIC CONTROL SEQUENCE 1404

### DANC, Multi-Function Control of VAV With Optional Reheat, and Variable Fan Operation

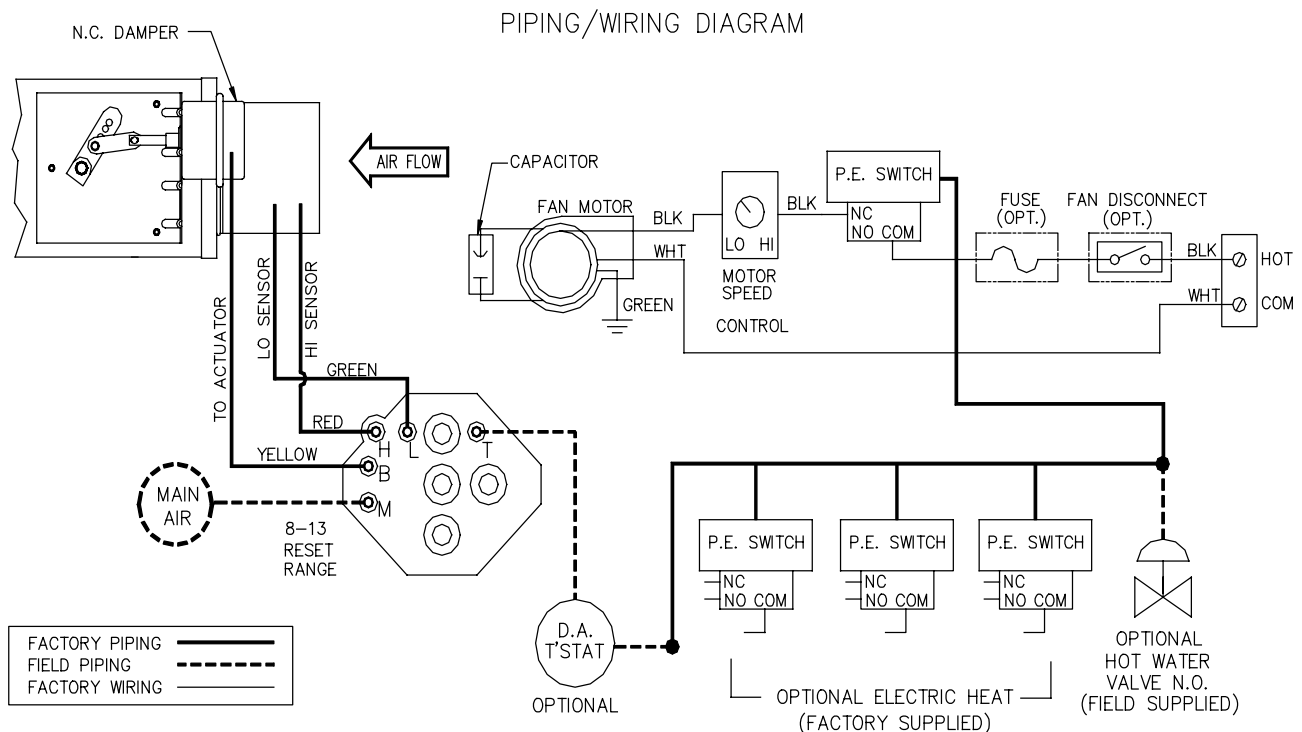
**1404** — User defined primary air flow setpoints are maintained regardless of central system pressure. The terminal fan runs intermittently, during a requirement for heating only.

Under load for cooling, primary air flow is at maximum when the thermostat (Direct Acting), is at or above 13 psig. The terminal unit fan is not energized. As the temperature in the space decreases the thermostat branch pressure decreases and, primary air flow reduces to the user defined minimum air

flow setpoint at 8 psig. Variable Air Volume (VAV), for cooling is delivered to the occupied space.

Under a load for heating, thermostat branch pressure will continue to decrease. The thermostat will energize the terminal unit fan at 8 psig. The terminal unit fan is the first stage for providing heat to the occupied space. Optional, proportional hot water heat (3-8 psig), or sequenced on/off staged electric heat (up to 3-stages), will be sequentially initiated in response to the thermostat signal.

Pneumatic air consumption of the multi-function controller is 28.8 scim at 20 psig (.472 l/m @ 138 kp). Upon a loss of pneumatic air, the terminal damper fails closed (Normally Closed).



PRODUCT INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.

01/30/2003

|          |            |          |                       |
|----------|------------|----------|-----------------------|
| JOB NAME | JOB NUMBER | LOCATION | DRAWING NUMBER        |
| BUYER    | BUYER #    | REVISION | <b>45M/N/R-P-1404</b> |
|          |            | SHEET    |                       |