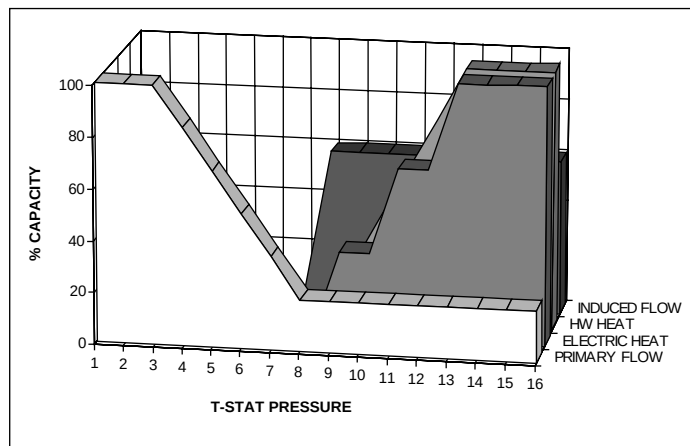




VARIABLE VOLUME FAN POWERED TERMINAL UNIT PNEUMATIC CONTROL SEQUENCE 1403

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

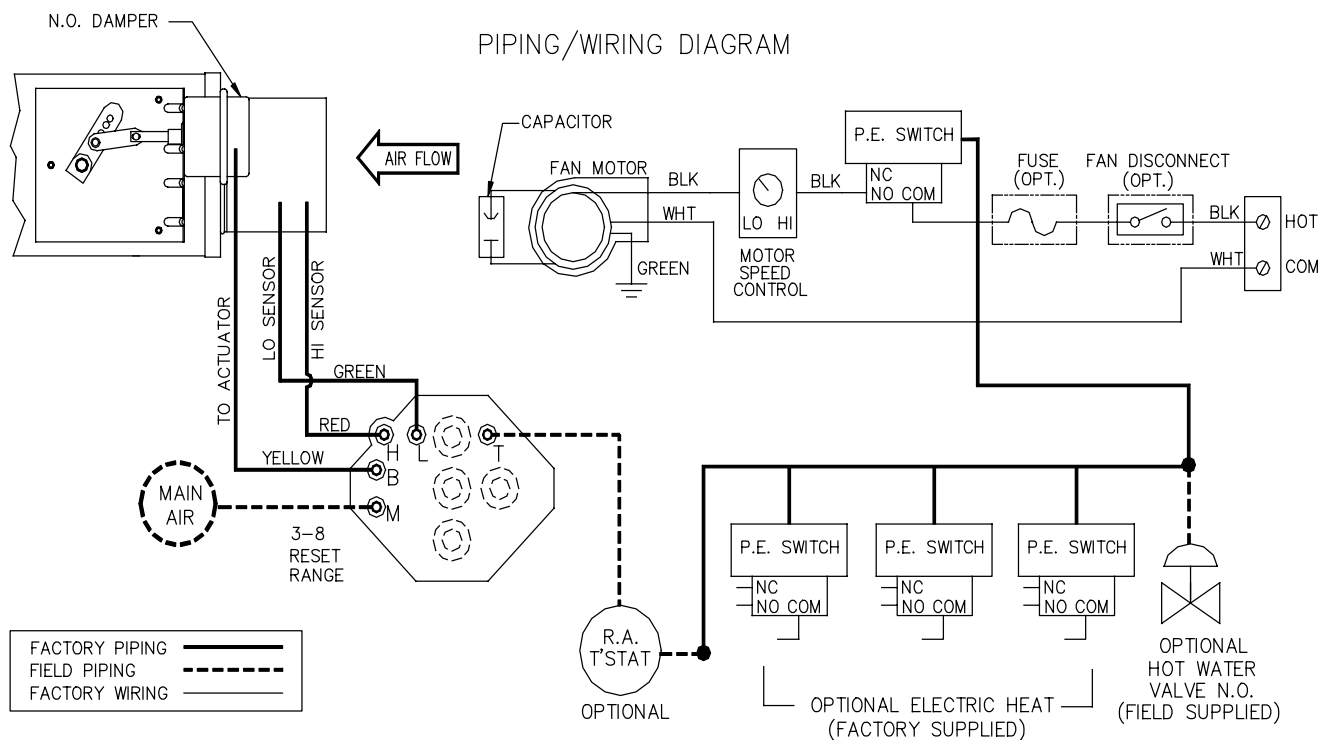
1403 — User defined primary air flow setpoints are maintained regardless of central system pressure. The terminal fan runs intermittently, during a requirement for heating only.

Under load for cooling, primary air flow is at maximum when the thermostat (Reverse Acting), is at or above 3 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 (8-13 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 open (Normally Open).



PRODUCT INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.

01/30/2003

JOB NAME	JOB NUMBER	LOCATION	DRAWING NUMBER
BUYER	BUYER #	REVISION	SHEET
			45M/N/R-P-1403