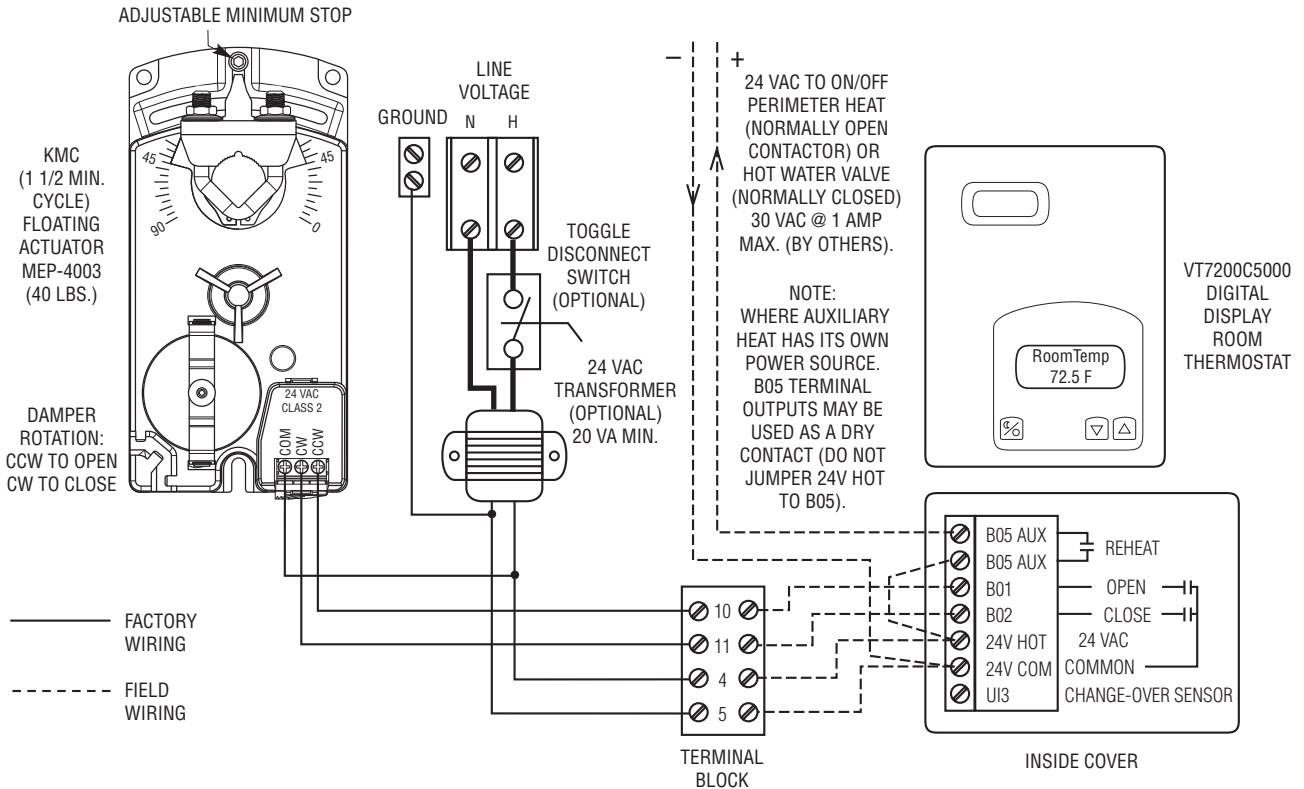




**ANALOG ELECTRONIC CONTROL
BYPASS TERMINAL UNIT
PRESSURE DEPENDENT
MODELS: A3400 AND A34RW E4**



**CONTROL SEQUENCE: E4
COOLING WITH ON/OFF AUXILIARY HEAT (PERIMETER) OR HOT
WATER REHEAT (VARIABLE AIR VOLUME)**

Advanced micro-computer electronic and PI algorithms provide precise temperature control. The thermostat provides a true multi-position modulating output to a tri-state floating actuator. A time proportioning on/off output signal based on a 15 minute duty cycle controls the auxiliary heat. This eliminates wasted energy caused by typical on-off cycling with conventional thermostats resulting in significant energy savings and superior comfort. Control accuracy is ± 0.4 F (± 0.2 C) around set point. The room occupant is able to reduce the set point to the lowest comfortable setting. A mechanical air volume minimum stop is provided (field set).

Sequence of Operation:

Central system supplies cool air. On a rise in room temperature above set point, the bypass damper will slowly modulate open, increasing the flow of air to the room, closing the bypass at the same time. On a fall in room temperature below set point, the bypass damper will modulate closed, reducing the flow of cool air into the room and opening the bypass at the same time.

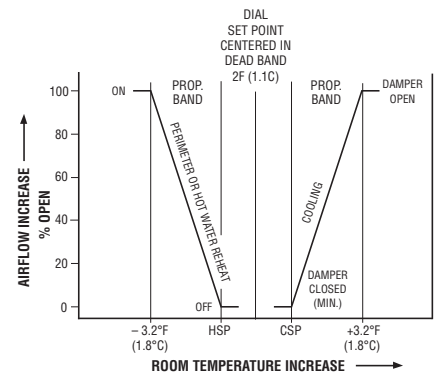
If room temperature continues to fall, the thermostat will energize the control relay/valve of the auxiliary perimeter heating (electric or hot water) or terminal hot water coil valve for reheat.

Note:

The room thermostat requires field configuration. See supplied VT7200 series installation guide.

Options and Accessories:

- 24 VAC Control Transformer
- Toggle disconnect switch
- Special features:



SCHEDULE TYPE:	
PROJECT:	
ENGINEER:	
CONTRACTOR:	

Dimensions are in inches (mm).

DATE	B SERIES	SUPERSEDES	DRAWING NO.
8 - 24 - 15	3400	10 - 1 - 01R	3400CD-E4