



ACN5 - ANALOG CONTROLLER WITH LCD THERMOSTAT. VARIABLE AIR VOLUME WITH MODULATING COOLING AND HEATING, 4-PIPE SYSTEM

Engineered Comfort Analog Controls feature variable air volume ECM/EPIC Fan Technology® with ECM ultra-energy efficient motors for standalone operation. P+ control algorithms provide precise flow and temperature control. Thermostat features a large LCD display with live temperature read-out and nine function keys.

Sequence of Operation:

Cooling:

On a call for cooling, the chilled water valve will begin to modulate open. As the cooling demand increases, the valve will continue to open until the discharge air temperature reaches 52°F (11°C). On continued call for cooling, the fan will begin to modulate toward the maximum cooling fan airflow as the chilled water valve continues to modulate open maintaining a 52°F (11°C) discharge air temperature. This process will continue until the fan reaches the cooling maximum airflow and the chilled water valve reaches maximum flow. Upon a decrease in cooling demand, the sequence will reverse.

Dead Band:

With no demand in the space, there will be no call for heating or cooling. The fan will be at minimum airflow. The chilled and hot water valves will be off.

Heating:

On a call for heat, the hot water valve will begin to modulate open. As the heating demand increases, the valve will continue to modulate open as the fan begins to modulate from dead band towards the maximum heating fan airflow. This process will continue until the fan reaches the heating maximum airflow and the hot water valve reaches maximum flow. Upon a decrease in heating demand, the sequence will reverse.

Options and Accessories:

- NHMO-1161W 4" x 4" (102 x 102) Thermostat backplate
- NHSO-5013-50 50' (15.24 m) Thermostat cable
- Special features: _____

Parts List:

- H1-1403** CEE-5203 Epic Analog Controller
- H1-1401A** CTE-5201W36 LCD Analog Thermostat
- H1-1404** STE-1011 Coil discharge temperature sensor
- H1-1329A** HSO-5013 20' (6.10 m) Thermostat cable

SCHEDULE TYPE		Dimensions are in inches (mm).			
PROJECT					
ENGINEER	DATE	B SERIES	SUPERSEDES	DRAWING NO.	
CONTRACTOR	10 - 11 - 11	FCS	NEW	FCS-ACN5	