

		AHU-4		
AHU Number	Data Type	Range	Unit	Input/Output
??/Zone Temperature	real	n/a	fahrenheit	input
??//Static Pressure	real	n/a		input
Return Air Temperature	real	n/a	fahrenheit	input
Supply Air Temperature	real	n/a	fahrenheit	input
Exhaust Air Temperature	real	n/a	fahrenheit	input
Outside Air Temperature	real	-20, 160	fahrenheit	input
Smoke Detector	bit	n/a		input
Outside CO2	real	0, 2000	parts per million	input
Return Air CO2	real	0, 2000	parts per million	input
Spare (EF001)	real	n/a		output
Hi Static	bit	n/a		input
Duct Static Pressure	real	n/a	In H2O	input
Mixed Air Temperature	real	n/a	fahrenheit	input
OSA CFM	real	0, 60000	fahrenheit	input

		VAV		
VAV Number	Type	Range	Unit	I/O
Chill Water Valve	real	0,100	percent	output
Flow Input	real	na	cubic feet per min	input
Misc Spare Input	real	na	fahrenheit	input
Zone Temperature	real	na	fahrenheit	input
Discharge Temperature	real	na	fahrenheit	input
Condensate Detector	bit	na		input
Duct Static Pressure	real	0, 25	in H2O	input
Zone CO2	real	0,1000	parts per million	input
Damper Position	real	0, 100	percent	
Hot Water Value	real	0, 100	percent	output

		Thermafuser Reading		
Name	Type	Range	Unit	I/O
Room Occupied	bit	0-1		I
Zone Temperature	real	na	fahrenheit	I
Supply Air	real	na	cubic feet per min	I
Airflow Feedback	real	na	cubic feet per min	I
CO2 Input	real	?		I
Max Airflow	real		cubic feet per min	

Min Airflow	real		cubic feet per min	
Unoccupied Heating Setpoint	real	?		O
Unoccupied Cooling Setpoint	real	?		O
Occupied Cooling Setpoint	real	?		O
Occupied Heating Setpoint	real	?		O

		Heat Exchanger Coil Reading		
Name	Type	Range	Unit	I/O
Is Hot Water Supply	bit			
Coil Type	real			
Water Temperature	real		fahrenheit	
Valve Opening Percentage	real	0, 100	percentage	

		Damper		
Name	Type	Range	Unit	I/O
Damper Type	real			
Input Voltage	real			
Opening Percentage	real	0, 100	percentage	
Isolation Damper	bit			

		Filter		
Name	Type	Range	Unit	I/O
Filter Type	real			
Pre-Filter Difference Pressure	real	0, 2.5	In H2O	I
Final Filter Difference Pressure	real	0, 2.5	In H2O	I

		Fan Reading		
Name	Type	Range	Unit	I/O
Fan Type	bit			
Sup Fan Air Velocity Pressure	real	0, 15	ft/min	I
Ret Fan Air Velocity Pressure	real	0, 10	ft/min	I
RF VFD Speed	real	0, 100	percent	O
Sup Fan Status	bit	n/a		I
Ret Fan Status	bit	n/a		I
Sup VFD Fault	bit	n/a		I
Ret VFD Fault	bit	n/a		I
Hi Static Reset	bit	n/a		O
FA Return fan Shutdown	bit	n/a		O
Sup Fan VFD	bit	n/a		O
Ret Fan VFD	bit	n/a		O

Isolation Dampers	bit			
Fan SS	bit	?		

		SAV(Third floor/to AHU-1&2)		
Name	Type	Range	Unit	I/O
Misc Spare Input	real	n/a	?	I
Zone Temperature	real	n/a	fahrenheit	I
Discharge Temperature	real	n/a	fahrenheit	I
Misc Input	bit	n/a	?	
Condensate Detector	bit	n/a		I
Valve Output Percentage	real	0, 100	percentage	