VAL DHP-100 DOAS #1

18VA 24V Center Tapped

30VA 24V

ng MF88AO Board

Inputs Address #5

1	Outdoor Dew (DhEnable AI2)
2	Outside temp (Pre-TdAlm AI1) Field added
3	Pre-Cool LAT 1 Temp (Pre-TdAlm AI3) (Pre-Stg1 AI3) (Pre-Stg2 AI3)
4	Pre-Cool LAT 2 Temp (Pre-TdAlm AI4) (Pre-Stg3 AI3) (Pre-Stg4 AI3)
5	DH Wheel LAT Temp (Pre-TdAlm AI2)
6	Space Temp (HeatCtrl AI6)
7	Space Dew (DhEnable AI6)
8	Space RH (DhEnable AI5)

Existing Outputs Address# 4

Output Board

1	Process Fan 1 & 2 (Fan/Dmpr DO3)
2	React Fan 1 & 2 (Pre-Cond DO1)
3	Pre-Cool condenser fan enable 1&3 (Pre-Cond DO2)
4	Pre-Cool condenser fan enable 2&4 (PostCond DO1)
5	Pre-Cool Compressor #1 (Pre-Stg1 DO2)
6	Pre-Cool Compressor #2 (Pre-Stg2 DO2)
7	Pre-Cool Compressor #3 (Pre-Stg3 DO2)
8	Pre-Cool Compressor #4 (Pre-Stg4 DO2)

Analog Output

1	Process Fan Speed 1 & 2 (Fan/Dmpr AO1)
2	React Fan Speed 1 & 2 (ReactPID Output)
3	Pre-Cool Condenser Fan Speed 1&3 (Pre-PID Output)
4	Pre-Cool Condenser Fan Speed 2&4 (PostPID Output)

Existing 16AI Board

Address #6

1	Building Pressure (Status AI5)
2	React In Temp (DhwCtrl AI4)(Pre-Cond AI5)
3	React Out Temp (DhwCtrl AI5)
4	React Filter Diff Pressure (DhwCtrl AI6)
5	Pre-Cool Filter Diff Pressure (Fan/Dmpr AI1)
6	Wheel Diff Pressure (DhwCtrl AI7)
7	Supply Temp (HeatCtrl AI3)(PostStg1 AI3)(PostStg2 AI3)
8	Return Air Temp (Pre-TdAlm AI6)
9	React fan proof switch (Pre-Cond DI4)
10	Main Power Loss Relay (Enable DI4)
11	Service Access Door Switch Lockout (Enable DI2)
12	Supply and Return Smoke detector (Enable DI3)
13	Pre-Cool Coil Pan Overflow Switch (Enable DI1)
14	Pre-Condenser Fan phase loss(Pre-Cond DI6)
15	Supply fan proof switch (Fan/Dmpr DI4)

88AO Board

Address #9

1	OA Damper FB (Fan/Dmpr AI2)
2	Return Damper FB (Fan/Dmpr AI3)
3	Condenser #1 Damper FB (CondDmpr AI1)
4	Condenser #2 Damper FB (CondDmpr AI2)
5	Condenser #3 Damper FB (CondDmpr AI3)
6	Condenser #4 Damper FB (CondDmpr AI4)
7	Process Air Dirty Filter Switch (Fan/Dmpr DI6)
8	React Air Dirty Filter Switch (DhwCtrl DI6)

Output Board Address# 6

1	Heater (HeatCtrl DO2)
2	Desiccant Wheel Start(NO) (DhwCtrl DO1)
3	
4	Condenser #1Damper (CondDmpr DO1)
5	Condenser #2 Damper (CondDmpr DO2)
6	Condenser #3 Damper (CondDmpr DO3)
7	Condenser #4 Damper (CondDmpr DO4)
8	

Analog Output Board Address# 3

1	Heater % (HeatCtrl AO1)
2	OA Damper % (Fan/Dmpr AO2)
3	Return Damper % (Fan/Dmpr AO3)
4	

16AI Board

Address #10

1	Pre-Cool Compressor #1 Current Switch
2	Pre-Cool Compressor #2 Current Switch
3	Pre-Cool Compressor #3 Current Switch
4	Pre-Cool Compressor #4 Current Switch
5	Pre-Cool Compressor #1 LP Transducer (Pre-Stg1 AI1)
6	Pre-Cool Compressor #2 LP Transducer (Pre-Stg2 AI1)
7	Pre-Cool Compressor #3 LP Transducer (Pre-Stg3 AI1)
8	Pre-Cool Compressor #4 LP Transducer (Pre-Stg4 AI1)
9	Pre-Cool Compressor #1 HP Transducer (Pre-Stg1 AI2)
10	Pre-Cool Compressor #2 HP Transducer (Pre-Stg2 AI2)
11	Pre-Cool Compressor #3 HP Transducer (Pre-Stg3 AI2)
12	Pre-Cool Compressor #4 HP Transducer (Pre-Stg4 AI2)
13	Desiccant Wheel Moving Switch (DhwCtrl DI3)
14	Desiccant Wheel Starter Aux (DhwCtrl DI4)
15	Heater Fault
16	Condenser Fan Phase Loss