

Airedale Cylon Controller Trouble-shooting Checklist

Please enter values for each parameter and return to Airedale for diagnosis.

Unit Model Type: _____

Unit Serial No. _____

LEVEL 1 SECURITY:

1.1 Sensor Inputs	
2.1 Return Air Temp	
2.2 Return Air Humidity	
2.3 Supply Air Temp	
2.4 Chilled Water Flow Temp	
2.5 Chilled Water Return Temp	

1.2 Alarms	
3.1 Alarm Inputs	
4.1 Emergency Stop	
4.2 Filter Change Alarm	
4.3 Auxiliary Alarm	
4.4 Airflow Fail Alarm	
4.5 Compressor 1 Fail	
4.6 Compressor 2 Fail	
4.7 Compressor 3 Fail	
4.8 Compressor 4 Fail	
4.9 Overheat Cut-Out	
4.10 Remote On/Off	
4.11 Humidifier Bottle Change	

1.3 Outputs	
6.1 Fans	
6.2 Cool Stage 1/ Dehum	
6.3 Cool Stage 2	
6.4 Cool Stage 3	
6.5 Cool Stage 4	
6.6 Heat Stage 1	
6.7 Heat Stage 2	
6.8 Heat Stage 3	
6.9 Humidifier	
6.10 Chilled Water Valve	

LEVEL 2 SECURITY

1.5 Setpoints	
7.1 Settings	
8.1 Return Temp Setpoint	
8.2 Return Humidity Setpoint	
8.3 Temperature Deadband	
8.4 Humidity Deadband	
8.5 Restart Delay	
8.6 Bottle Change Delay	

7.2 Limits	
9.1 Return Temp High Limit	
9.2 Return Temp Low Limit	
9.3 Return Hum High Limit	
9.4 Return Hum Low Limit	
9.5 Supply Temp High Limit	
9.6 Supply Temp High Limit	

7.3 Loop Tuning	
10.1 Cooling Gain	
10.2 Cooling Integral	
10.3 Heating Gain	
10.4 Heating Integral	
10.5 Humidity Gain	
10.6 Humidity Integral	

1.6 Maintenance	
11.1 Unit On/Off	
11.2 Fan Hours Run	
11.3 Compressor 1 Hours Run	
11.4 Compressor 2 Hours Run	
11.5 Compressor 3 Hours Run	
11.6 Compressor 4 Hours Run	
11.7 Reset Fan Hours Run	
11.8 Reset Comp 1 Hours Run	
11.9 Reset Comp 2 Hours Run	
11.10 Reset Comp 3 Hours Run	
11.11 Reset Comp 4 Hours Run	
11.12 Reset Airflow Fail Alarm	
11.13 Override Fans	
11.14 Override Compressor 1	
11.15 Override Compressor 2	
11.16 Override Compressor 3	
11.17 Override Compressor 4	
11.18 Override Heating	
11.19 Override Humidifier	

1.7 Configuration	
12.1 Duty / Standby	
12.2 Enable Changeover	
12.3 Enable Duty Rotation	
12.4 Enable Humidification	
12.5 Enable Dehumidification	
12.6 Number of Compressors	
12.7 Number of Heating Stages	
12.8 Time / Date	
12.9 Number of Duty Units	
12.10 Time Schedule	

Alarm Log Data

Alarm No.	Alarm Type	Time / Date	Status (Active or Cleared)
1			
2			
3			
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8			
9			
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