

FIELD START-UP TEST SHEET

230 W. BlueRidge Ave, Orange, CA 92865

(714) 921-6000 Fax: (714) 921-6010

www.dataaire.com



dap4 Data Alarm Processor

Instructions: This form must be completed along with the equipment test sheet. Both forms must be returned to Data Aire, Inc. **Failure to return start-up sheets could affect the unit's warranty.** All Menu settings are required to be recorded.

UNIT IDENTIFICATION:

Model No. _____ Job No. _____

Serial No. _____ dap4 Serial No. _____

Optional Components or Sensors

Communication Card: Yes No (If yes, enter information in Menu G below)

Electronic Expansion Valve (EEV) Yes NO (If yes, fill out EEV check sheet below)

Rack Sensor Installed: Yes No (If yes, fill out Rack sensor information in Menu J below)

Discharge Air Temperature Sensor Installed: Yes No (If yes, fill out sensor calibration in Menu H below)

Chilled Water Temperature Sensor Installed: Yes No (If yes, fill out sensor calibration in Menu H below)

MENU A – ON/OFF

Start-up Delay _____ seconds

Start-up Mode: ON OFF

MENU B – SETPOINT

Screen 1 Temperature Setpoint _____ °
Temperature Deadband _____ °
Stage-To-Stage _____ °

Screen 2 Humidity Setpoint _____ %
Humidity Deadband _____ %

Screen 3 (If Energy Saver/Auxiliary cooling applies)
Energy Saver Setpoint _____ °
Deadband _____ °
Change Over _____ °

If unit is gForce IR or Dewpoint control is applied, fill out Dewpoint setpoint:

Dewpoint Setpoint screen

Low Dewpoint Setpoint _____ °
Low Dewpoint Deadband _____ °
Hi Dewpoint Setpoint _____ °
Hi Dewpoint Deadband _____ °

If unit is gPod, fill out the CO2 setpoints if applied:

CO2 Setpoint screen

Setpoint _____ ppm
Deadband _____ ppm
Min Valve On _____ S
Valve PWM _____ %

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MENU C – CLOCK/SCHEDULER

NOTE: The **Setback** feature should only be used for non-critical applications where units may be cycled off during non-business hours without any damage to sensitive electronic equipment. The typical application for this Menu is comfort cooling where units may be shut-down during non-working hours.

MENU D – INPUT/OUTPUT

NOTE: The Input/Output menu is for viewing the various inputs and outputs only. No change in Settings required.

MENU E – HISTORICAL DATA

NOTE: The Historical Data menu allows viewing of alarm history and run hours of components. Run hours can be reset individually or reset all at one time Run Hours 3 screen. Alarms can be cleared as well (see Menu K – Alarms and Limits). Suggest to clear all alarms in alarm history after start-up.

MENU F – INFORMATION

NOTE: The Information menu allows viewing of the processor version and requires no set-up or entries.

Screen 1 - Information

Mfg: Data Aire Inc.

SW Version: _____

BIOS: _____ /____/____ (date)

SW Date: ____/____/____

Boot: _____ /____/____ (date)

Controller ID: _____

MENU G – NETWORK CONFIGURATION

Screen 1 – BMS Configuration

BMS PORT 1

Protocol: N/A LON BACNET MSTP BACNET TCP/IP MODBUS

BMS PORT 2

Protocol: N/A

If BMS Port 1 is programmed to Modbus, go to next screen and fill-out information.

Screen 2 – BMS Configuration

BMS PORT 1

Address _____ (0-999)

Baud Rate: 1200 2400 4800 9600 19200

MENU H – CALIBRATE SENSORS

Verify sensors reading. If sensors are not reading correctly, offset sensors and enter the offset information.

Screen 1 – Analog Input

Humidity Sensor

Input U01

Offset _____ Value _____

Screen 2 – Analog Input

Return Air Temperature Sensor

Input U04

Offset _____ ° Value _____ °

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Fill out Discharge Air and Chilled Water Sensor calibration if they apply.

Screen 3 – Analog Input

Discharge Air Sensor

Input U09

Offset _____ °

Value _____ °

Screen 4 – Analog Input

Chilled Water Sensor

Input U10

Offset _____ °

Value _____ °

MENU I – MANUAL CONTROL

Menu I is used during factory training and no entries are required unless instructed by Data Aire Engineering or Service personnel for troubleshooting purposes.

MENU J – FACTORY SETTINGS

NOTE: Factory settings are based on the type of equipment and options provided. Any changes should only be done with approval of Data Aire Engineering and/or Service Dept. Entry requires Factory Level Password.

Screen1 – System Settings

Model _____

Screen Flip Delay _____ S

Temp Unit: Fahrenheit Centigrade

Out Status _____

All temperature data will be based on which temperature unit of measure is selected above.

Fan Type: Plug fan Std On/Off

Screen2 – Fan Settings

CW mode: _____ CW Speed: _____ %

DX mode: _____ DX Speed: _____ %

If Fan Mode is different mode than Constant Speed, go to next screen and fill out information.

Screen3 – Fan Range Settings

Modulate Min: _____ %

Modulate Max: _____ %

If gForce IR model, Enter following settings

12" High T Limit: Yes No

Ramp Step Rate: _____ %

Screen4 – Compressor Settings

Type: None Dual primary Dual Pri w/Unldr Four Tandem Singl Variable

Variable & Fixed Singl Primary Singl w/Unldr

Variable Comp On/Off Comp (gForce IR)

If Variable compressor is selected, enter following information:

Min Run Time: _____ min

Control: Return Temp Discharge Temp

If Discharge Temp is selected, enter following information:

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Cooling Mode: Normal Precise

Dis T Variable Ret T Variable Ret T constant D T-Variable latent (For gForce IR units)

HP Lockout: _____

Delay between Stages: _____seconds

Screen5 – Compressor Settings

Rotation: Enabled Disabled

Lead: Compressor 1 Compressor 2 FIFO

Rotate Lead: _____ Hrs

If variable speed and variable & fixed compressor is selected, enter the following information:

Variable Compressor

Band: _____ Int Time: _____ S Derivative Time: _____ S (When Applicable)

C1 Offset: _____°

Delay Ramp Up: _____ S

Minimum Speed: _____ RPM

Maximum Speed: _____ RPM

Fixed Compressor

Delay Modulation: _____ S

C2 On Delay: _____ S C2 Off Delay: _____ S

Force to Exercise: Off On

Exercise Time: _____ S

Screen 6- Options Installed

Electronic Valve: None Single Dual

Power Meter: Yes No

Diagnostic Equip: Yes No

DC Power Cap: Yes No

CT Xfmr Ratio : 1:1 2:1

If unit is gPod, fill out the CO2 options if applied:

CO2 Control: Yes No

Night CO2 Contrl: Yes No

If Diagnostic Equip selection is yes, enter the following information:

Diagnostic Equipment

Expansion Module: Yes No

C1 VFD: _____

Condenser Fans: _____

Evaporator Fans: _____

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Screen 7- Reheat Settings

Reheat Stages: None One Two Three 1-Elect 3-Elect HW Valve

Lead Reheat: _____

Enable SCR Y4: Yes No

Band: _____ °

Screen 8- Water Valve Settings

Wtr Vlv: None Chill Wtr Cool Engy Svg Cool Aux Chill Wtr Chill Wtr Reg

If Engy Svg Cool or Aux Chill Wtr is selected, enter the following information:

E-Saver Assist: None 1Comp 2 Comp

Wtr Vlv Voltage: 0-10 2-10 7-10 6-9 4-7

Wtr Action: Direct Reverse

Engy Lockout Time: _____ m

Switch to DX: _____ Hrs

Screen 9- Humidity Settings

Control: Relative Hum Dew point

Humidify: None Compu Non-Mod Computer Mod Comf Non-Mod Comfort Mod

Auto Flush: Not Used 12 hrs 24 Hrs 48Hrs 96Hrs

Dsat Cyc: Not used 1M Off 2M Off 4M Off 5M Off

Hum Anticipation: Off On

Screen 10- Humidity Settings 2

Dehum Mode: None 2C In Limit 2C No Limit 1C In Limit 1C No Limit

Fan Speed Assist: Off On (If On is selected, enter Reduce Speed percentage)

Reduce Speed: _____ %

If the unit has Rack sensors installed, enter information below:

Screen 11- Rack Settings 1

Temp sensor used: _____

Group Used: _____

Exclude T band: _____ °

If Groups were selected, enter the following information:

Use Highest of Sensors Use Average of Sensors

If Groups were selected, enter the following information:

Use Highest of Groups Use Average of Groups

Enter information below if Use Average of Groups is selected:

Avg: All Groups Highest _____ groups

Refresh Rate: _____

Offset Setpoint: No Yes

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Screen 12, 13, 14, 15 & 16- Rack settings 2, 3, 4, 5, 6 (Check applicable sensors only)

Snsr#	Action	Grp
T01	Control <input type="checkbox"/> Control+Alrm <input type="checkbox"/> Monitor only <input type="checkbox"/> Monitor+Alrm <input type="checkbox"/> Disable <input type="checkbox"/>	
T02	Control <input type="checkbox"/> Control+Alrm <input type="checkbox"/> Monitor only <input type="checkbox"/> Monitor+Alrm <input type="checkbox"/> Disable <input type="checkbox"/>	
T03	Control <input type="checkbox"/> Control+Alrm <input type="checkbox"/> Monitor only <input type="checkbox"/> Monitor+Alrm <input type="checkbox"/> Disable <input type="checkbox"/>	
T04	Control <input type="checkbox"/> Control+Alrm <input type="checkbox"/> Monitor only <input type="checkbox"/> Monitor+Alrm <input type="checkbox"/> Disable <input type="checkbox"/>	
T05	Control <input type="checkbox"/> Control+Alrm <input type="checkbox"/> Monitor only <input type="checkbox"/> Monitor+Alrm <input type="checkbox"/> Disable <input type="checkbox"/>	
T06	Control <input type="checkbox"/> Control+Alrm <input type="checkbox"/> Monitor only <input type="checkbox"/> Monitor+Alrm <input type="checkbox"/> Disable <input type="checkbox"/>	
T07	Control <input type="checkbox"/> Control+Alrm <input type="checkbox"/> Monitor only <input type="checkbox"/> Monitor+Alrm <input type="checkbox"/> Disable <input type="checkbox"/>	
T08	Control <input type="checkbox"/> Control+Alrm <input type="checkbox"/> Monitor only <input type="checkbox"/> Monitor+Alrm <input type="checkbox"/> Disable <input type="checkbox"/>	
T09	Control <input type="checkbox"/> Control+Alrm <input type="checkbox"/> Monitor only <input type="checkbox"/> Monitor+Alrm <input type="checkbox"/> Disable <input type="checkbox"/>	
T10	Control <input type="checkbox"/> Control+Alrm <input type="checkbox"/> Monitor only <input type="checkbox"/> Monitor+Alrm <input type="checkbox"/> Disable <input type="checkbox"/>	
T11	Control <input type="checkbox"/> Control+Alrm <input type="checkbox"/> Monitor only <input type="checkbox"/> Monitor+Alrm <input type="checkbox"/> Disable <input type="checkbox"/>	
T12	Control <input type="checkbox"/> Control+Alrm <input type="checkbox"/> Monitor only <input type="checkbox"/> Monitor+Alrm <input type="checkbox"/> Disable <input type="checkbox"/>	
T13	Control <input type="checkbox"/> Control+Alrm <input type="checkbox"/> Monitor only <input type="checkbox"/> Monitor+Alrm <input type="checkbox"/> Disable <input type="checkbox"/>	
T14	Control <input type="checkbox"/> Control+Alrm <input type="checkbox"/> Monitor only <input type="checkbox"/> Monitor+Alrm <input type="checkbox"/> Disable <input type="checkbox"/>	
T15	Control <input type="checkbox"/> Control+Alrm <input type="checkbox"/> Monitor only <input type="checkbox"/> Monitor+Alrm <input type="checkbox"/> Disable <input type="checkbox"/>	
T16	Control <input type="checkbox"/> Control+Alrm <input type="checkbox"/> Monitor only <input type="checkbox"/> Monitor+Alrm <input type="checkbox"/> Disable <input type="checkbox"/>	
T17	Control <input type="checkbox"/> Control+Alrm <input type="checkbox"/> Monitor only <input type="checkbox"/> Monitor+Alrm <input type="checkbox"/> Disable <input type="checkbox"/>	
T18	Control <input type="checkbox"/> Control+Alrm <input type="checkbox"/> Monitor only <input type="checkbox"/> Monitor+Alrm <input type="checkbox"/> Disable <input type="checkbox"/>	
T19	Control <input type="checkbox"/> Control+Alrm <input type="checkbox"/> Monitor only <input type="checkbox"/> Monitor+Alrm <input type="checkbox"/> Disable <input type="checkbox"/>	
T20	Control <input type="checkbox"/> Control+Alrm <input type="checkbox"/> Monitor only <input type="checkbox"/> Monitor+Alrm <input type="checkbox"/> Disable <input type="checkbox"/>	
T21	Control <input type="checkbox"/> Control+Alrm <input type="checkbox"/> Monitor only <input type="checkbox"/> Monitor+Alrm <input type="checkbox"/> Disable <input type="checkbox"/>	
T22	Control <input type="checkbox"/> Control+Alrm <input type="checkbox"/> Monitor only <input type="checkbox"/> Monitor+Alrm <input type="checkbox"/> Disable <input type="checkbox"/>	
T23	Control <input type="checkbox"/> Control+Alrm <input type="checkbox"/> Monitor only <input type="checkbox"/> Monitor+Alrm <input type="checkbox"/> Disable <input type="checkbox"/>	
T24	Control <input type="checkbox"/> Control+Alrm <input type="checkbox"/> Monitor only <input type="checkbox"/> Monitor+Alrm <input type="checkbox"/> Disable <input type="checkbox"/>	
T25	Control <input type="checkbox"/> Control+Alrm <input type="checkbox"/> Monitor only <input type="checkbox"/> Monitor+Alrm <input type="checkbox"/> Disable <input type="checkbox"/>	
T26	Control <input type="checkbox"/> Control+Alrm <input type="checkbox"/> Monitor only <input type="checkbox"/> Monitor+Alrm <input type="checkbox"/> Disable <input type="checkbox"/>	
T27	Control <input type="checkbox"/> Control+Alrm <input type="checkbox"/> Monitor only <input type="checkbox"/> Monitor+Alrm <input type="checkbox"/> Disable <input type="checkbox"/>	
T28	Control <input type="checkbox"/> Control+Alrm <input type="checkbox"/> Monitor only <input type="checkbox"/> Monitor+Alrm <input type="checkbox"/> Disable <input type="checkbox"/>	
T29	Control <input type="checkbox"/> Control+Alrm <input type="checkbox"/> Monitor only <input type="checkbox"/> Monitor+Alrm <input type="checkbox"/> Disable <input type="checkbox"/>	
T30	Control <input type="checkbox"/> Control+Alrm <input type="checkbox"/> Monitor only <input type="checkbox"/> Monitor+Alrm <input type="checkbox"/> Disable <input type="checkbox"/>	
T31	Control <input type="checkbox"/> Control+Alrm <input type="checkbox"/> Monitor only <input type="checkbox"/> Monitor+Alrm <input type="checkbox"/> Disable <input type="checkbox"/>	
T32	Control <input type="checkbox"/> Control+Alrm <input type="checkbox"/> Monitor only <input type="checkbox"/> Monitor+Alrm <input type="checkbox"/> Disable <input type="checkbox"/>	

Screen 17- Unit Identification

Model: _____

Serial No: _____

Job No; _____

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MENU K – ALARMS/LIMITS

Screen 1 – Alarm Settings

Audio Mode: None Short Beep Long Beep Full On

Pwr-Up: Auto, No Alarm Auto With Alarm Man, Clr Alarm

Maint Due Msg: None _____ Hrs

Screen 2 – Alarm Settings

Comp Short Cycle: Yes No

Floor Water Alarm Action: Alarm Only Shutdown Unit Lockout Comps

Reset Alarm Log: No Yes

Alarm Screen Contact: No Contact Message Data Proc Mgr Maint Engineer

Service Company

Custom Message _____

Screen 3 – Flow Alarms

No Water Flow Action: Alarm Only Turn Compressors Off

Water Flow Alarm Dly: _____ (5 – 180 seconds)

Air Flow Alarm Dly: _____ (5 – 180 seconds)

Screen 4 – Return Air Alarms

Firestat Set Point: (100 – 150°F) _____ °

Hi Temp Alarm: No Yes Set Point: (70 – 90°F) _____ °

Lo Temp Alarm: No Yes Set Point: (55 - 75°F) _____ °

If Discharge Air Temperature alarm is installed, fill out the following information:

Discharge Alarm

Low Discharge Temp Alarm: No Yes

Shut Off Comps: No Yes

Setpoint: _____ °

Hi Disch Pres Alm: No Yes (Not required if manual high pressure switch is used)

Cut Out: _____ PSI

Cut In: _____ PSI

Screen 5 – Humidity Alarms

Hi Humidity Alarm: No Yes Set Point: (35 – 90%) _____ %

Lo Humidity Alarm: No Yes Set Point: (10 – 65%) _____ %

If an optional Freeze-stat is used, fill out the following information:

Freeze Alarm

Freeze-stat alarm: No Yes Setpoint (32-40°F) _____ °

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Screen 6 – Alarm Inputs: Custom Alarm Messages

Alarm No. 1 (D1-13)	Alarm No. 2 (D1-14)
<input type="checkbox"/> SEE TAG INSIDE DOOR	<input type="checkbox"/> SEE TAG INSIDE DOOR
<input type="checkbox"/> CUSTOM MESSAGE	<input type="checkbox"/> CUSTOM MESSAGE
<input type="checkbox"/> FAN MOTOR OVERLOAD	<input type="checkbox"/> FAN MOTOR OVERLOAD
<input type="checkbox"/> CHK HUMIDIFIER CYL	<input type="checkbox"/> CHK HUMIDIFIER CYL
<input type="checkbox"/> STANDBY PUMP ON	<input type="checkbox"/> STANDBY PUMP ON
<input type="checkbox"/> UPS ON-CHK MAIN PWR	<input type="checkbox"/> UPS ON-CHK MAIN PWR
<input type="checkbox"/> UNIT IN STBY	<input type="checkbox"/> UNIT IN STBY
<input type="checkbox"/> REHEAT & HUM INHIBIT	<input type="checkbox"/> REHEAT & HUM INHIBIT
<input type="checkbox"/> HUMIDIFIER INHIBITED	<input type="checkbox"/> HUMIDIFIER INHIBITED
<input type="checkbox"/> REHEAT INHIBITED	<input type="checkbox"/> REHEAT INHIBITED
<input type="checkbox"/> POWER A OPERATING	<input type="checkbox"/> POWER A OPERATING
<input type="checkbox"/> POWER B OPERATING	<input type="checkbox"/> POWER B OPERATING
<input type="checkbox"/> POWER A NOT AVAILABLE	<input type="checkbox"/> POWER A NOT AVAILABLE
<input type="checkbox"/> POWER B NOT AVAILABLE	<input type="checkbox"/> POWER B NOT AVAILABLE
<input type="checkbox"/> COMPRESSOR VFD ALARM	<input type="checkbox"/> COMPRESSOR VFD ALARM

If any one of the Custom Message(s) are created in the field, enter the Custom Message text below:
(22 characters maximum):

Custom Message Alarm No.1:

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Custom Message Alarm No.2:

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Screen 7 – Alarm Inputs: Custom Alarm Messages

Alarm No. 3 (D1-15)	Alarm No. 4 (D1-16)
<input type="checkbox"/> SEE TAG INSIDE DOOR	<input type="checkbox"/> SEE TAG INSIDE DOOR
<input type="checkbox"/> CUSTOM MESSAGE	<input type="checkbox"/> CUSTOM MESSAGE
<input type="checkbox"/> FAN MOTOR OVERLOAD	<input type="checkbox"/> FAN MOTOR OVERLOAD
<input type="checkbox"/> CHK HUMIDIFIER CYL	<input type="checkbox"/> CHK HUMIDIFIER CYL
<input type="checkbox"/> STANDBY PUMP ON	<input type="checkbox"/> STANDBY PUMP ON
<input type="checkbox"/> UPS ON-CHK MAIN PWR	<input type="checkbox"/> UPS ON-CHK MAIN PWR
<input type="checkbox"/> UNIT IN STBY	<input type="checkbox"/> UNIT IN STBY
<input type="checkbox"/> REHEAT & HUM INHIBIT	<input type="checkbox"/> REHEAT & HUM INHIBIT
<input type="checkbox"/> HUMIDIFIER INHIBITED	<input type="checkbox"/> HUMIDIFIER INHIBITED
<input type="checkbox"/> REHEAT INHIBITED	<input type="checkbox"/> REHEAT INHIBITED
<input type="checkbox"/> POWER A OPERATING	<input type="checkbox"/> POWER A OPERATING
<input type="checkbox"/> POWER B OPERATING	<input type="checkbox"/> POWER B OPERATING
<input type="checkbox"/> POWER A NOT AVAILABLE	<input type="checkbox"/> POWER A NOT AVAILABLE
<input type="checkbox"/> POWER B NOT AVAILABLE	<input type="checkbox"/> POWER B NOT AVAILABLE
<input type="checkbox"/> COMPRESSOR VFD ALARM	<input type="checkbox"/> COMPRESSOR VFD ALARM

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If any one of the Custom Message(s) are created in the field, enter the Custom Message text below:
(22 characters maximum):

Custom Message Alarm No.3:

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Custom Message Alarm No.4:

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Screen 8 – Alarm Output Function 1 Check appropriate inputs

NOTE: For all Alarm Output Functions, if you select Yes the alarm contact will close when an alarm is detected. If you select No the alarm contact will not close when the alarm is detected.

	No. 1		No. 2		No. 3		No. 4	
CW Sensor	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
DA Sensor	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Fan Ovld	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Smoke	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Cond Wtr	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Fire Stat	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>

Screen 9 – Alarm Output Function 2 Check appropriate inputs

	No. 1		No. 2		No. 3		No. 4	
C1 Hi Pr	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
C1 Low Pr	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
C2 Hi Pr	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
C2 Low Pr	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Short Cycl	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Maint Tmr	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>

Screen 10– Alarm Output Function 3 Check appropriate inputs

	No. 1		No. 2		No. 3		No. 4	
Hi Humid	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Low Humid	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Humidifier	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
DA Low T	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
RA Low T	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
RA Hi Temp	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>

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Screen 11– Alarm Output Function 4 Check appropriate inputs

	No. 1		No. 2		No. 3		No. 4	
Override	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Air Flow	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Wtr Flow	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Power Up	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Floor Wtr	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Hum Inhbt	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>

Screen 12– Alarm Output Function 5 Check appropriate inputs

	No. 1		No. 2		No. 3		No. 4	
Heat Inhbt	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Filter	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Manl Ovrd	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Hum Sensr	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
RA Sensr	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
“See Tag”	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>

Screen 13– Alarm Output Function 6 Check appropriate inputs

	No. 1		No. 2		No. 3		No. 4	
Unit Stdbby	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
UPS is On	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Stby Pump	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Hum cyl	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Cust Msg 1	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Cust Msg 2	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>

Screen 14– Alarm Output Function 7 Check appropriate inputs

	No. 1		No. 2		No. 3		No. 4	
Cust Msg 3	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Cust Msg 4	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
C1Lockout	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
C2Lockout	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Freezestat	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Rack Hi T	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>

Screen 15– Alarm Output Function 8 Check appropriate inputs

	No. 1		No. 2		No. 3		No. 4	
Rack LowT	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Rack Sns F	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
VFD Fault	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Lost Phase	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
CondFault	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
EvapFault	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>

FIELD START-UP TEST SHEET

230 W. BlueRidge Ave, Orange, CA 92865

(714) 921-6000 Fax: (714) 921-6010

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dap4 Data Alarm Processor

MENU L – CONFIGURE I/O

NOTE: Inputs and outputs are factory set to the type of equipment furnished. No entries are required unless advised by Data Aire engineering or service personnel. Requires Factory Level Password.

MENU M – SET ZONE MASTER

NOTE: If unit has Zone Master network Option, fill out form **WI-SER-012 MENU M - Zone Master Settings**. Only fill out this section after the Zone Master network has been configured.

FIELD START-UP TEST SHEET

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dap4 Data Alarm Processor

EEV (Electronic Expansion Valve) (Skip this section if it does not apply)

NOTE: If EEV(s) are installed, fill out the EEV settings below. These are read only settings and must not be changed in the field. These settings are protected by a password to prevent accidental changes. The following screens only apply to dap4 software versions 1.37 and higher. For older versions of the dap4 software, please consult Data Aire Technical Service.

Valve A		Valve B	
Menu F-Information – EEV Driver			
Firmware Ver:			
Modbus Address:			
Refrigerant:			
Module Online: Yes <input type="checkbox"/> No <input type="checkbox"/>			
EEV Driver Valve -A- (Screen 1)		EEV Driver Valve -B- (Screen 1)	
Superheat SP:	°F	Superheat SP:	°F
Pos at Start:	%	Pos at Start:	%
Open in Standby: Yes <input type="checkbox"/> No <input type="checkbox"/>		Open in Standby: Yes <input type="checkbox"/> No <input type="checkbox"/>	
Pos in Standby:	%	Pos in Standby:	%
PID Gain:		PID Gain:	
PID Int Time:	s	PID Int Time:	s
PID Der Time:	s	PID Der Time:	s
EEV Driver Valve -A- (Screen 2)		EEV Driver Valve -B- (Screen 2)	
Low SH Setpoint:	°F	Low SH Setpoint:	°F
Low SH Delay:	s	Low SH Delay:	s
MOP Setpoint:	°F	MOP Setpoint:	°F
MOP Delay:	s	MOP Delay:	s
NOTE: The following parameter is password protected and is not part of the normal start-up. If a Data Aire Technical Service ask for this is parameter, they will provide the password.			
Pre-position time:	s	Pre-position time:	s

Comments:

Company Name: _____ Telephone: (____) _____

Address: _____

Startup Technician: _____ Date: _____

Email: _____