

FIELD START-UP TEST SHEETS

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DAP4 – gFORCE IR

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 Model Number _____ DA Job Number _____

Unit Serial Number _____ dap4 Serial Number _____

Communication Card: _____ No _____ Yes (if yes, type _____)

Zone Master: _____ No _____ Yes (if yes, password _____)

MENU A – ON/OFF UNIT

TIME DELAY SET at _____ seconds

Start-up Mode _____ ON _____ OFF

MENU B – SETPOINT

Screen 1 (Set Points)

Temp Setpoint _____ ° F or C

Temp Deadband _____ °F or C

Screen 2 (Rack Temp Setpoints)

Temp Setpoint _____ °F or C

Temp Deadband _____ °F or C

Screen 3 (Humidity Setpoints)

Hum Setpoint _____ %

Hum Deadband _____ %

Screen 4 (Energy Saver) N/A

MENU C – CLOCK/SCHEDULER

NOTE: The **Setback** feature is not intended for use with in-row cooling – consult factory if night setback is desired.

MENU D – INPUT/OUTPUT

NOTE: The Input/Output menu is for viewing the various inputs and outputs only. The values are factory set and only if instructed by Data Aire engineering or service personnel should these be changed.

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).

MENU F – INFORMATION

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

Screen 1 (Information)

Data Aire Inc.

Ver.: _____ / ____ / ____ (date)

Controller ID: _____

Bios: _____ / ____ / ____ (date)

Boot: _____ / ____ / ____ (date)

Screen 2 (Information) N/A

Screen 3 (Unit Identification) N/A

MENU G – NETWORK CONFIGURATION

Screen 1 (Bms Configuration)

BMS PORT 1 Protocol: N/A _____ Other _____

BMS PORT 1 Protocol: N/A _____ Other _____

MENU H – CALIBRATE SENSORS

Screen 1 (Analog Input)

Humidity Sensor

Input B01: Offset _____ Value

Screen 2 (Analog Input)

Return Air Temperature Sensor

Input B04: Offset _____ °F Value _____ °F

Screen 3 (Analog Input)

Rack #1 Temp

Input B05: Offset _____ Value _____ °F

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. Entry requires Factory Level Password.

MENU K – ALARMS/LIMITS – There are a number of alarm settings that are not applicable to the gForce IR product line.

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 _____ 1000 Hrs _____

Screen 2 – Alarm Settings

Comp Short Cycle: N/A

Floor Water Alarm

Action: Alarm Only _____ Shutdown Unit _____ Lockout Comps N/A

Reset Alarm Log: No _____ Yes _

Alarm Screen No Contact _____
 Data Proc Mgr _____
 Maint Engineer _____
 Service Company _____
 Custom Message _____

Screen 3 – Flow Alarms

No Water Flow Action: Alarm Only Turn Compressors Off N/A

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: Yes _____ No _____ Set Point: ____ (70 – 90°F)

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

Screen 5 – Humidity Alarms

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

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

Screen 6 – Alarm Inputs

Custom Alarm Messages

Alarm Number 1 (D1-13)

- SEE TAG INSIDE DOOR
- CUSTOM MESSAGE
- FAN MOTOR OVERLOAD
- CHECK HUMIDIFIER CYL
- STANDBY PUMP ON
- UPS ON-CHK MAIN PWR
- UNIT IN STANDBY
- REHEAT & HUM INHIBIT
- HUMIDIFIER INHIBITED
- REHEAT INHIBITED

Alarm Number 2 (D1-14)

- SEE TAG INSIDE DOOR
- CUSTOM MESSAGE
- FAN MOTOR OVERLOAD
- CHECK HUMIDIFIER CYL
- STANDBY PUMP ON
- UPS ON-CHK MAIN PWR
- UNIT IN STANDBY
- REHEAT & HUM INHIBIT
- HUMIDIFIER INHIBITED
- REHEAT INHIBITED

Screen 7 – Alarm Inputs

Custom Alarm Messages

Alarm Number 3 (D1-15)

- SEE TAG INSIDE DOOR
- CUSTOM MESSAGE
- FAN MOTOR OVERLOAD
- CHECK HUMIDIFIER CYL
- STANDBY PUMP ON
- UPS ON-CHK MAIN PWR
- UNIT IN STANDBY
- REHEAT & HUM INHIBIT
- HUMIDIFIER INHIBITED
- REHEAT INHIBITED

Alarm Number 4 (D1-16)

- SEE TAG INSIDE DOOR
- CUSTOM MESSAGE
- FAN MOTOR OVERLOAD
- CHECK HUMIDIFIER CYL
- STANDBY PUMP ON
- UPS ON-CHK MAIN PWR
- UNIT IN STANDBY
- REHEAT & HUM INHIBIT
- HUMIDIFIER INHIBITED
- REHEAT INHIBITED

Screen 8 – Alarm Output Function 1

Circle appropriate inputs

Note: There are a number of non-applicable alarms shown on the various screens (such as C1 Hi Pr, C1 Low Pr). DO NOT CHANGE THE FACTORY SETTINGS

	# 1		# 2		# 3		# 4	
CW Sensor	Y	N	Y	N	Y	N	Y	N
DA Sensor	Y	N	Y	N	Y	N	Y	N
Fan Ovid	Y	N	Y	N	Y	N	Y	N
Smoke	Y	N	Y	N	Y	N	Y	N
Cond Wtr	Y	N	Y	N	Y	N	Y	N
Fire Stat	Y	N	Y	N	Y	N	Y	N

Screen 9 – Alarm Output Function 2

Circle appropriate inputs

	# 1		# 2		# 3		# 4	
C1 Hi Pr	Y	N	Y	N	Y	N	Y	N
C1 Low Pr	Y	N	Y	N	Y	N	Y	N
C2 Hi Pr	Y	N	Y	N	Y	N	Y	N
C2 Low Pr	Y	N	Y	N	Y	N	Y	N
Short Cycl	Y	N	Y	N	Y	N	Y	N
Maint Tmr	Y	N	Y	N	Y	N	Y	N

Screen 10– Alarm Output Function 3

Circle appropriate inputs

	# 1		# 2		# 3		# 4	
Hi Humid	Y	N	Y	N	Y	N	Y	N
Low Humid	Y	N	Y	N	Y	N	Y	N
Humidifier	Y	N	Y	N	Y	N	Y	N
DA Low T	Y	N	Y	N	Y	N	Y	N
RA Low T	Y	N	Y	N	Y	N	Y	N
RA Hi Temp	Y	N	Y	N	Y	N	Y	N

Screen 11 – Alarm Output Function 4

Circle appropriate inputs

	# 1		# 2		# 3		# 4	
Override	Y	N	Y	N	Y	N	Y	N
Air Flow	Y	N	Y	N	Y	N	Y	N
Wtr Flow	Y	N	Y	N	Y	N	Y	N
Power Up	Y	N	Y	N	Y	N	Y	N
Floor Wtr	Y	N	Y	N	Y	N	Y	N
Hum Inhbt	Y	N	Y	N	Y	N	Y	N

Screen 12 – Alarm Output Function 5

Circle appropriate inputs

	# 1		# 2		# 3		# 4	
Heat Inhbt	Y	N	Y	N	Y	N	Y	N
Filter	Y	N	Y	N	Y	N	Y	N
Alm Sw 1	Y	N	Y	N	Y	N	Y	N
Alm Sw 2	Y	N	Y	N	Y	N	Y	N
Alm Sw 3	Y	N	Y	N	Y	N	Y	N
Alm Sw 4	Y	N	Y	N	Y	N	Y	N

Screen 13– Alarm Output Function 6

Circle appropriate inputs

	# 1		# 2		# 3		# 4	
Manl Ovrd	Y	N	Y	N	Y	N	Y	N
Hum Sensor	Y	N	Y	N	Y	N	Y	N
RA Sensor	Y	N	Y	N	Y	N	Y	N

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.

Company Name: _____ **Telephone:** (____) _____

Address: _____

Start-Up Conducted by: _____ **Date:** _____