



CLIMATEWORX
INTERNATIONAL

MISSION CRITICAL Air Conditioning Systems

M52 Programming Log

P-Series Vertical Floor Mount Systems

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Introduction

The purpose of this log is to provide a record of the microprocessor settings and programming to help ensure trouble free operation of the ClimateWorx equipment. Use the charts to record changes to the microprocessor settings as it is fine-tuned to match the specific needs of the system.

There is a chart to record the information in the Historical Event Log. This is useful in trouble shooting and creating a picture of how the unit is operating. Also make notes in the blank spaces to clarify the reasons for changes to help others understand the history of the changes.

All ClimateWorx controllers record the temperature and humidity over a 24 hour period. Please observe the chart whenever gathering information, making notes, as it may illuminate possible trends which will help in trouble shooting.

When consulting the factory for assistance the information in this log will be useful to the technical support staff.

Model no. : _____ Serial no. : _____

Client : _____

Location : _____ Unit no. : _____

Details and Notes:

Settings Summary

The following tables summarize the settings in each page:

Page 1 :	Configuration 1		Date:				
				Factory	Actual	Actual	Actual
Description	Range	Default	Units	Setting	Setting	Setting	Setting
No. of duty unit	1-8	1	-				
Temp. setpoint ¹	12-30	22	°C				
Temp. Hi limit	12-37	30	°C				
Temp. Lo limit	5-30	15	°C				
Temp. Setpoint*	53-86	72	°F				
Temp. Hi Limit*	53-99	86	°F				
Temp. Lo Limit*	41-86	59	°F				
Humid. setpoint	30-80	50	%RH				
Humid. Hi limit	50-90	70	%RH				
Humid. Lo limit	20-50	30	%RH				
N0. Of Standby	1-7	0	-				

¹) Set point adjustment range of 12-30 C

*Display changes to F when Temp Units on Page 2 is set to °F.

Page 2 :	Configuration 2		Date:				
				Factory	Actual	Actual	Actual
Description	Range	Default	Units	Setting	Setting	Setting	Setting
Software ver.	V4.91B1-CW	-	-				
Network address	1-999	001	-				
Baud rate	1200-19.2K	1200	bps				
On/Off mode	Local/Remote/Timer	Local	-				
Restart mode	Auto/Manual	Auto	-				
Auto changeover	0-9999	24	hours				
Restart delay	0-9999	10	seconds				
Warm-up period	0-9999	120	seconds				
Fan purge delay	0-9999	120	seconds	0*			
Comp. elapse	0-250	180	seconds				
Pos.start delay	0-9999	180	seconds				
Humid. Ser. Delay.	0-9999	900	seconds				

IR auto flush	0-9999	0	minutes				
Sensor mode	Local/Remote/Demo L/DemoR/Disable	Local	-				
Temp. units	°C/°F	°C	-				
Sensor display	Unit/Site	Unit	-				
Language	English/Chinese	English	-				
Common Alr. Mode	Site/Unit	Site	-				

*Fan Purge Delay Must Always be Set To 0.

Page 3 :	Readings		Date;				
				Factory	Actual	Actual	Actual
Description	Range	Default	Units	Setting	Setting	Setting	Setting
C. water circuit 1.	Enable/Disable	Disable	-				
C. water circuit 2	Enable/Disable	Disable	-				
C. water 1 temp.	0-45	-	°C				
C. water 2 temp.	0-45	-	°C				
C. water 1 temp.*	32 -113	-	°F				
C. water 2 temp.*	32-113	-	°F				
Primary circuit	1-2	1	-				
Changeover delay	0-9999s	60	seconds				
C.W. temp. limit	5-15	10	°C				
C.W. temp. limit*	41-59	50	°F				
Normal EC fan	10-100	80	%	65%			
Backup EC fan	10-100	100	%				

*Display changes to F when Temp Units on Page 2 is set to °F.

Page 4 :	Control Parameter		Date:				
				Factory	Actual	Actual	Actual
Description	Range	Default	Units	Setting	Setting	Setting	Setting
Temperature 1*	0-50	-	°C				
Temperature 2	0-50	-	°C				
Humidity 1*	0-99.9	-	%RH				
Humidity 2	0-99.9	-	%RH				
Voltage	50-130	-	-				
Fan runtime (1-8)	0-32000	0	hours				
Comp. 1 runtime (1-8)	0-32000	0	hours				
Heater runtime (1-8)	0-32000	0	hours				
SCR Heat. Runtime (1-8)	0-32000	0	hours				
Humid. Runtime (1-8)	0-32000	0	hours				
Dehum. Runtime (1-8)	0-32000	0	hours				
















































































































































































































































































































































































*These parameters are used as the inputs for all conditioning control within the unit. Display changes to °F when Temp Units on Page 2 is set to °F.

Page 5:	Control Parameter		Date:				
				Factory	Actual	Actual	Actual
Description	Range	Default	Units	Setting	Setting	Setting	Setting
Temp. dead band	0-10	1	°C				
Relaxband Temp	0-20	5	°C				
Temp. 2 Hi Limit	15-37	30	°C				
Temp. 2 Lo Limit	0-30	0	°C				
Temp. dead band*	0-18	1.8	°F				
Relaxband Temp. *	0-36	9	°F				
Temp. 2 Hi Limit*	59-99	54	°F				
Temp. 2 Lo Limit*	0-30	0	°F				
Hum. Dead band	0-30	6	%RH				
Relaxband Humid.	0-50	20	%RH				
Hum. 2 Hi Limit	50-90	70	%RH				
Hum. 2 Lo Limit	20-50	30	%RH				
Volt Hi Limit	102-120	115	%				
Volt Lo Limit	80-98	85	%				
Prop. Band Cool	1-10	1	°C				
Prop. Band Heat	1-10	1	°C				
Prop. Band Cool*	2-18	3.6	°F				
Prop. Band Heat*	2-18	3.6	°F				
Prop. Band Humid.	2-10	5	%RH				
Prop. Band Dehum.	2-10	5	%RH				
Temp I-time	1-30	30	Seconds				
Humid. I-time	1-30	30	Seconds				
Temp. D-time	0-61	15	-				
Humid. D-time	0-94	15	-				
Humid. Control	Enable/Disable	Enable	-				
Dual-cooling	0-130	3	°C				
Free-cooling	0-130	7.2	°C				
Dual-cooling*	32-266	5.4	°F				
Free-cooling*	32-266	45	°F				

*Display changes to °F when Temp Units on page 2 is set to °F.

Alarm Response Summary

The following table summarizes the default configuration for all the alarms and their corresponding system action:

Alarm Message	Default Configuration	Factory Configuration	Revision Date:	Revision Date:	
Fan overload	<input checked="" type="checkbox"/>        	<input checked="" type="checkbox"/>        	<input checked="" type="checkbox"/>        	<input checked="" type="checkbox"/>        	<input checked="" type="checkbox"/>   
Low airflow	<input checked="" type="checkbox"/>        	<input checked="" type="checkbox"/>        	<input checked="" type="checkbox"/>        	<input checked="" type="checkbox"/>        	<input checked="" type="checkbox"/>   
Humidifier Service	<input checked="" type="checkbox"/>        	<input checked="" type="checkbox"/>        	<input checked="" type="checkbox"/>        	<input checked="" type="checkbox"/>        	<input checked="" type="checkbox"/>   
Heater overheat	<input checked="" type="checkbox"/>        	<input checked="" type="checkbox"/>        	<input checked="" type="checkbox"/>        	<input checked="" type="checkbox"/>        	<input checked="" type="checkbox"/>   
Filter dirty	<input checked="" type="checkbox"/>        	<input checked="" type="checkbox"/>        	<input checked="" type="checkbox"/>        	<input checked="" type="checkbox"/>        	<input checked="" type="checkbox"/>   
Fire	<input checked="" type="checkbox"/>        	<input checked="" type="checkbox"/>        	<input checked="" type="checkbox"/>        	<input checked="" type="checkbox"/>        	<input checked="" type="checkbox"/>   
Liquid Detection	<input checked="" type="checkbox"/>        	<input checked="" type="checkbox"/>        	<input checked="" type="checkbox"/>        	<input checked="" type="checkbox"/>        	<input checked="" type="checkbox"/>   
High humidity	<input checked="" type="checkbox"/>        	<input checked="" type="checkbox"/>        	<input checked="" type="checkbox"/>        	<input checked="" type="checkbox"/>        	<input checked="" type="checkbox"/>   
High humidity 2	<input checked="" type="checkbox"/>        	<input checked="" type="checkbox"/>        	<input checked="" type="checkbox"/>        	<input checked="" type="checkbox"/>        	<input checked="" type="checkbox"/>   
High temperature	<input checked="" type="checkbox"/>        	<input checked="" type="checkbox"/>        	<input checked="" type="checkbox"/>        	<input checked="" type="checkbox"/>        	<input checked="" type="checkbox"/>   
High temperature 2	<input checked="" type="checkbox"/>        	<input checked="" type="checkbox"/>        	<input checked="" type="checkbox"/> 		

Timer Schedule Log

Date of Schedule: _____				
ClimateWorx Series 9 19/07/2000 Wed 15:00				
	1	2	3	4
Mon	_:_ _	_:_ _	_:_ _	_:_ _
Tue	_:_ _	_:_ _	_:_ _	_:_ _
Wed	_:_ _	_:_ _	_:_ _	_:_ _
Thu	_:_ _	_:_ _	_:_ _	_:_ _
Fri	_:_ _	_:_ _	_:_ _	_:_ _
Sat	_:_ _	_:_ _	_:_ _	_:_ _
Sun	_:_ _	_:_ _	_:_ _	_:_ _
Date of Schedule: _____				
ClimateWorx Series 9 19/07/2000 Wed 15:00				
	1	2	3	4
Mon	_:_ _	_:_ _	_:_ _	_:_ _
Tue	_:_ _	_:_ _	_:_ _	_:_ _
Wed	_:_ _	_:_ _	_:_ _	_:_ _
Thu	_:_ _	_:_ _	_:_ _	_:_ _
Fri	_:_ _	_:_ _	_:_ _	_:_ _
Sat	_:_ _	_:_ _	_:_ _	_:_ _
Sun	_:_ _	_:_ _	_:_ _	_:_ _
Date of Schedule: _____				
ClimateWorx Series 9 19/07/2000 Wed 15:00				
	1	2	3	4
Mon	_:_ _	_:_ _	_:_ _	_:_ _
Tue	_:_ _	_:_ _	_:_ _	_:_ _
Wed	_:_ _	_:_ _	_:_ _	_:_ _
Thu	_:_ _	_:_ _	_:_ _	_:_ _
Fri	_:_ _	_:_ _	_:_ _	_:_ _
Sat	_:_ _	_:_ _	_:_ _	_:_ _
Sun	_:_ _	_:_ _	_:_ _	_:_ _

Event	Action	Time	Date	Address *

Details and Notes: