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JTL CABINET MONITOR ITEM NUMBERS					DC110	
ITEM	DESCRIPTION	CODE	CODE MEANING	BIT	RANGE	ITEM 9 VALUE
				4321		
1. Jnet NETWORK IDENTIFICATION						
0	Unit type	dc11	Unit type			
19	Software Version number					
1	Unit number				0.1 - 899.9	
2. TEMPERATURES						
2.1 CHANNEL 1						
120	Estimated cabinet temperature (calculated from Air on and Air off temperatures)					
133	Cabinet temperature ratio (Item 120 calculated as value between Air off and Air on using this ratio)				20 - 80	50
121 (21)	Air on temperature					
136	Air on sensor selection	oFF AO.En	Disabled Enabled		0 - 1	AO.En
122 (22)	Air off temperature					
137	Air off sensor selection	oFF AF.En	Disabled Enabled		0 - 1	AF.En
2.2 CHANNEL 2						
220	Estimated cabinet temperature (calculated from Air on and Air off temperatures)					
233	Cabinet temperature ratio (Item 220 calculated as value between Air off and Air on using this ratio)				20 - 80	50
221 (23)	Air on temperature					
236	Air on sensor selection	oFF AO.En	Disabled Enabled		0 - 1	AO.En
222 (24)	Air off temperature					
237	Air off sensor selection	oFF AF.En	Disabled Enabled		0 - 1	AF.En

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3. TEMPERATURE ALARMS						
3.1 CHANNEL 1						
126	Average cabinet temperature error					
130	Cabinet temperature setpoint (target for item 120)				-35.0 to +10.0	-20
132	Overtemperature alarm tolerance				0 - 25	10
47	Period over which average temperatures are taken				00:30 - 03:00	01:00
3.2 CHANNEL 2						
226	Average cabinet temperature error					
230	Cabinet temperature setpoint (target for item 220)				-35.0 to +10.0	-20
232	Overtemperature alarm tolerance				0 - 25	10
47	Period over which average temperatures are taken				00:30 - 03:00	01:00
4. INPUTS						
70	Operating mode	rEFr dEFr dF.rc Sh.dn	Refrig. Defrost Defrost recovery Shutdown			
71	Input status NOTE: If more than one input is present the numbers shown in brackets are added together and displayed instead of the text	d.in.1 (1) iP.2 (2) iP.3 (4) iP.4 (8) P.in.1 (16) iP.6 (32) iP.7 (64) iP.8 (128)	Defrost input 1 Spare input 2 Spare input 3 Spare input 4 Plant input 1 Spare input 6 Spare input 7 Spare input 8			
72	Defrost input	OFF dF.iP	No defrost Defrost contacts closed			
73	Alarm input	OFF AL.iP	No alarm Alarm present			
66	Invert plant inputs	no YES	Input present = alarm Input absent = alarm		0 - 1	no

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5. DEFROST INFORMATION						
5.1 DATA & STRATEGY						
40	Duration of last defrost					
41	Time since end of last defrost					
42	Duration of current defrost					
107	Defrost strategy selection	up to v0.00.1				
		0 nc.in iP.in	None Network initiated Input initiated		0 - 2	iP.in
		v0.00.2 on				
		0 nc.in nc.in iP.in iP.in AF.in AF.in	None Network initiated Input initiated Air off initiated		0 - 6	iP.in
69	Number of defrosts expected per day	0 1 - 6	Disable alarm 94 Alarm enabled		0 - 6	3
5.2 AIR TEMPERATURE INITIATED DEFROST						
58	Defrost initiation temperature (air off) (v0.00.2 on)				0.0 - 30.0	15.0
5.3 CONTACT INITIATED DEFROST						
65	Invert defrost inputs	no YES	Input present = defrost Input absent = defrost		0 - 1	no
5.4 Jnet NETWORK INITIATED DEFROST						
46	Comms unit initiated defrost command status	P.dEF F.dEF 0	Pack on defrost Pack on forced defrost Pack not on defrost			
5.5 DEFROST TERMINATION						
57	Defrost termination time limit				00:05 - 01:00	00:30
6. Jnet COMMAND FUNCTIONS						
62	Network controlled Shutdown selection	oFF Sh.dn	Disabled Enabled		0 - 1	oFF
63	Network command for shutdown	run Sh.dn	Run Shutdown			
7. RESTORE FACTORY DEFAULTS						
To set the factory defaults into the memory of the controller, set item 9 to the set default value of "1234". This should be done on initial commissioning of the unit or when the unit is being installed as a replacement part.						
9	Set default values				0 - 1	

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8. SYSTEM ALARMS						
80	Group alarm 81 - 88	0 1 - 255	No alarms Check 81 - 88			
81	Cabinet 1 overtemperature	CLr C1Ht	No fault Fault			
82	Cabinet 2 overtemperature	CLr C2Ht	No fault Fault			
84	Expected defrosts have not been detected	CLr dEF.F	No fault Fault			
85	Plant alarm	CLr P.AL	No alarms Plant alarm			
86	Unit shutdown	CLr Sh.dn	No alarm Shutdown			
87	Thermistor power supply fault	CLr PS.Ft	No fault Fault			
88	All probes faulty, deselected or disconnected	CLr t.SEn	No fault Fault			
90	Group alarm 91 - 98	0 1 - 255	No alarms Check 91 - 98			
91	Cabinet 1 Air on probe fault	CLr On.1.F	No fault Fault			
92	Cabinet 1 Air off probe fault	CLr OF.1.F	No fault Fault			
93	Cabinet 2 Air on probe fault	CLr On.2.F	No fault Fault			
94	Cabinet 2 Air off probe fault	CLr OF.2.F	No fault Fault			

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9. DIAGNOSTIC & TEST FUNCTIONS						
6	Communications speed (kilo baud)	38.4 4.8	Baud rate (kb) Baud rate (kb)			
7	2/4 wire Communications Choice (Half / Full duplex)	HALF FULL	2 wire 4 wire		0 - 1	HALF
89	Thermistor excitation value (Factory test)		Not used			
71	Input status NOTE: If more than one input is present the numbers shown in brackets are added together and displayed instead of the text	d.in.1 (1) iP.2 (2) iP.3 (4) iP.4 (8) P.in.1 (16) iP.6 (32) iP.7 (64) iP.8 (128)	Defrost input 1 Spare input 2 Spare input 3 Spare input 4 Plant input 1 Spare input 6 Spare input 7 Spare input 8			
21	Air on temperature Channel 1					
22	Air off temperature Channel 1					
23	Air on temperature Channel 2					
24	Air off temperature Channel 2					
10	Processor alarms (11 - 17)	0 1 - 255	No alarms Check 11 - 17			
11	Static RAM fault	Clr rA.Ft	No fault Fault			
12	Program/counter fault	Clr PC.Ft	No fault Fault			
13	Stack pointer fault	Clr SP.Ft	No fault Fault			
14	Background loop fault	Clr bL.Ft	No fault Fault			
15	PROM checksum fault	Clr Pr.Ft	No fault Fault			
16	NVRAM fault	Clr n.Ft	No fault Fault			
17	Instruction TRAP fault	Clr tP.Ft	No fault Fault			