

JTL CABINET MONITOR ITEM NUMBERS					ECCA ECCB	
ITEM	DESCRIPTION	CODE	CODE MEANING	BIT	RANGE	ITEM 9 VALUE
				4321		
0	Unit type	ECCA Eccb	Unit type			
1	Unit number				0.1 - 899.9	
6	Communications speed	4800 600	Baud rate Baud rate			
9	Set default values selected by Bitswitch				0 - 1	
PROCESSOR ALARMS						
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			
MISCELLANEOUS DATA						
19	Software Version number					
CABINET 1						
20	Estimated cabinet temperature (calculated from Air on and Air off temperatures)					
21	Air on temperature					
22	Air off temperature					
23	Cabinet temperature setpoint (target for item 20)				-30.0 to +10.0	-20.0
24	Cabinet temperature ratio (Item 20 calculated as value between Air off and Air on using this ratio)		Shared with items 34 and 44 from ECCA04 on.		0 - 100	50
25	Overtemperature alarm tolerance				0.0 - 20.0	10.0
26	Average cabinet temperature error					
28	Air on probe selection	OFF AO.1.E	Disabled Enabled		0 - 1	AO.1.E
29	Air off probe selection	OFF AF.1.E	Disabled Enabled		0 - 1	AF.1.E

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CABINET 2						
30	Estimated cabinet temperature (calculated from Air on and Air off temperatures)					
31	Air on temperature					
32	Air off temperature					
33	Cabinet temperature setpoint (target for item 30)				-30.0 to +10.0	-20.0
34	Cabinet temperature ratio (Item 30 calculated as value between Air off and Air on using this ratio)		Shared with items 24 and 44 from ECCA04 on.		0 - 100	50
35	Overtemperature alarm tolerance				0.0 - 20.0	10.0
36	Average cabinet temperature error					
38	Air on probe selection	OFF AO.2.E	Disabled Enabled		0 - 1	AO.2.E
39	Air off probe selection	OFF AF.2.E	Disabled Enabled		0 - 1	AF.2.E
CABINET 3						
40	Estimated cabinet temperature (calculated from Air on and Air off temperatures)					
41	Air on temperature					
42	Air off temperature					
43	Cabinet temperature setpoint (target for item 40)				-30.0 to +10.0	-20.0
44	Cabinet temperature ratio (Item 40 calculated as value between Air off and Air on using this ratio)		Shared with items 24 and 34 from ECCA04 on.		0 - 100	50
45	Overtemperature alarm tolerance				0.0 - 20.0	10.0
46	Average cabinet temperature error					
48	Air on probe selection	OFF AO.3.E	Disabled Enabled		0 - 1	AO.3.E
49	Air off probe selection	OFF AF.3.E	Disabled Enabled		0 - 1	AF.3.E

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DEFROST DATA						
50	Defrost termination temperature (Air off probe)				0 - 30	15
56	Comms unit initiated defrost command status	ECCA05 on (v0.00.5 on) (Item 68 on ECCA04 only)				
		P.dEF F.dEF 0	Pack on defrost Pack on forced defrost Pack not on defrost			
57	Defrost termination time limit				00:05 - 01:00	00:30
58	Defrost initiation temperature (Suction line probe)				0 - 20	10
59	Suction line temperature					
60	Duration of last defrost					
61	Time since end of last defrost					
62	Duration of current defrost					
65	Suction line probe selection	OFF S.P.En	Disabled Enabled		0 - 1	S.P.En
66	Suction line or Comms initiated defrost selection	ECCA04 on (v0.00.4 on)				
		C.U.In S.L.In	Comms unit initiated Suction line temp initiated		0 - 1	S.L.In
MISCELLANEOUS SETTINGS						
67	Period over which averages are taken				00:15 - 04:00	01:00
69	Number of defrosts expected per day	ECCA07 on (v0.00.7 on)				
		0 1 - 6	Disable alarm 84 Alarm enabled		0 - 6	3
MODES, INPUTS AND OUTPUTS						
70	Operating mode	rEFr dEFr dF.rc	Refrig. Defrost Defrost recovery			
71	Defrost input	ECCA03 on (v0.00.3 on)				
		OFF dF.IP	No defrost Defrost contacts closed			
72	Defrost relay (Defrost control mode only)	ECCA04 on (v0.00.4 on)				
		OFF dt.on	Contacts open Contacts closed			

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FORCING FUNCTIONS						
Forced functions remain forced if the Maintenance unit remains plugged in. They are automatically cancelled 30 minutes after the Maintenance unit is unplugged.						
77	Forced defrost	ECCA04 on (v0.00.4 on)				
		OFF Fd.on	Off Forced defrost on		0 - 1	
78	Forced refrigeration	ECCA04 on (v0.00.4 on)				
		OFF no.dF	Off No defrosts		0 - 1	
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			
83	Cabinet 3 overtemperature	Clr C3Ht	No fault Fault			
84	Expected defrosts have not been detected	ECCA07 on (v0.00.7 on)				
		Clr dEF.F	No fault Fault			
86	Unit number corrupted/not set	Clr Un.CF	No fault Fault			
87	Thermistor power supply fault	Clr PS.Ft	No fault Fault			
88	All probes faulty, deselected or disconnected	Clr t.SEn	No fault Fault			
MISCELLANEOUS DATA						
89	Thermistor excitation value (Factory test)		Not used			

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SYSTEM ALARMS						
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			
95	Cabinet 3 Air on probe fault	CLr On.3.F	No fault Fault			
96	Cabinet 3 Air off probe fault	CLr OF.3.F	No fault Fault			
97	Suction line probe fault	CLr SL.S.F	No fault Fault			
UTILITY						
99	Test digital display	CLr SEt	Not active Test active		0 - 1	
PROBE TYPE SELECTION						
102	ECCA probe type selection	5000 2000	Tempkey Elm		0 - 1	5000
103	ECCB probe type selection	5000 2200	Tempkey CDK		0 - 1	5000

BITSWITCH SETTINGS

Note: Bitswitches are not fitted to types ECCA and ECCB.

Use **ITEM 9** to set the default values.

DISPLAY DATA		ECCA ECCB
NORMAL DISPLAY		
-99°	Cabinet temperature (item 20,30 or 40 rounded)	
dEF	Defrost	
dEFr	Defrost recovery	
--	Display data error	
ALARM TEXT (in descending priority order)		
t.SEn	All probes faulty, deselected or disconnected	
Ht	High cabinet or air off temperature	
OTHER TEXT		
JTL	Start-up text.	