

JTL REFRIGERATION TEMPERATURE MONITOR ITEM NUMBERS					ECTA ECTB	
ITEM	DESCRIPTION	CODE	CODE MEANING	BIT	RANGE	ITEM 9 VALUE
				4321		
0	Unit type	ECTA ECTb	Unit type Unit type			
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					
TEMPERATURES						
21	Channel 1 temperature					
22	Channel 2 temperature					
23	Channel 3 temperature					
24	Channel 4 temperature					
25	Channel 5 temperature					
26	Channel 6 temperature					
27	Channel 7 temperature					
MISCELLANEOUS SETTINGS						
50	Period over which averages are taken				00:15 - 04:00	01:00

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INPUTS AND OUTPUTS						
61	Mute siren input (IP1)	OFF On	Contacts open Contacts closed			
62	Display scroll input (IP2)	OFF On	Contacts open Contacts closed			
71	Alarm relay (LN1/LD1) (Contacts closed if any critical alarm present on unit)	OFF AL.on	Alarm off Alarm on			
72	Siren relay (LN2/LD2) (On when critical alarm occurs, muted by IP1)	OFF Sn.on	Siren off Siren on			
SYSTEM ALARMS						
80	Group alarm 81 - 88	0 1 - 255	No alarms Check 81 - 88			
85	Thermistor power supply fault	CLr PS.Ft	No fault Fault			
87	Unit number corrupted/not set	CLr Un.CF	No fault Fault			
88	All probes faulty, deselected or disconnected	CLr t.SEn	No fault Fault			
MISCELLANEOUS DATA						
89	Thermistor excitation value (Factory set)		Not used			
UTILITY						
99	Test digital display	CLr SEt	Not active Test active		0 - 1	
PROBE TYPE SELECTION						
102	ECTA probe type selection	5000 2000	Tempkey Elm		0 - 1	5000
103	ECTB probe type selection	5000 2200	Tempkey CDK		0 - 1	5000

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CHANNEL DATA						
A general form of item numbers is shown below. The "x" shown in each item number should be replaced by the channel number (1 - 7). This sequence covers item numbers 110 - 179 for channels 1 - 7.						
1x0	Probe selection	OFF Px.En	Disabled Enabled		0 - 1	Px.En
1x1	Unit number for this channel				0.0 - 899.9	
1x2	Channel temperature					
1x3	Temperature setpoint				-35 to +10	-20
1x4	Overtemperature alarm tolerance				0 - 25	10
1x6	Average temperature error					
1x9	Channel alarm status	0 Ht Lt P.Flt	No alarm High temperature Low temperature Probe fault			

BITSWITCH SETTINGS

Bitswitches are not fitted to ECTA and ECTB.
Use ITEM 9 to set the default values.

DISPLAY MESSAGES		ECTA ECTB	
NORMAL DISPLAY			
----	No critical alarms		
ALARM TEXT (in descending priority order)			
t.SEn	All probes faulty, deselected or disconnected.		
t.PSU	Temperature probe power supply fault		
Cx.Ht	Channel x high temperature		
Px.Ft	Channel x probe fault		
OTHER TEXT			
JTL	Start-up message		
Cx.tr	Channel x temperature data follows this text		
Cx.SP	Channel x setpoint data follows this text		