

# JTL TEMPERATURE MONITOR ITEM NUMBERS

**TA210**  
**TA211**  
**DC210**

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ITEM	DESCRIPTION	CODE	CODE MEANING	BIT	RANGE	ITEM 9 VALUE
				4321		
<b>1. Jnet NETWORK IDENTIFICATION &amp; SETUP</b>						
0	Unit type	tA21/dc21	Unit type			
19	Software version number					
1	Unit number				000.1 - 899.9	
98	Sub-type	2 3 4 5 6	DC mode (cabinet monitor) CR mode (coldroom monitor) AH mode (air handling monitor) DC mode (cabinet monitor with TA211 hardware) Cabinet monitor with temp alarm inhibit input		2 - 6	2
<b>2. TEMPERATURES</b>						
20	Reported temperature (Calculated from T1 and T2 temperatures)					
21	Air on temperature (T1)					
22	Temperature sensor 2 This temperature depends on item 98. Item 98 set to 2 (cr) Evaporator temperature. ELSE Air off temperature					
<b>3. TEMPERATURE REPORTING PARAMETERS</b>						
102	Temperature sensor type selection	0 1	Standard sensor selected Hot sensor selected		0 - 1	0
38	Sensor configuration	0 1 2 3	Sensors disabled T1 sensor only T1 & T2 sensors T2 sensor only		0 - 3	2
33	Temperature ratio (item 20 calculated as value between T2 and T1 using this ratio)				0 - 100	50
34	Temperature offset (added to T1/T2 to give item 20 when one sensor used)				-10.0 to +10.0	0.0
30	Temperature setpoint (for optimiser compatibility, does not affect alarm logic) (from v0.02.2 on)				-99.9 to +99.9	00.0

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<b>4. TEMPERATURE ALARM PARAMETERS</b>						
31	Alarm (low threshold)				-99.9 to +99.9	-3.0
32	Alarm (high threshold)				-99.9 to +99.9	8.0
47	Period over which averages are taken (Two sensor mode) Temperature alarm delay time (Single sensor only)		minutes		0 - 99	20
<b>5. OPERATING MODE</b>						
70	Refrigeration state	rEFr dEF dF.rc Sh.dn	Refrigeration Defrost Defrost recovery Shutdown			
<b>6. DEFROST</b>						
107	Defrost type selection	0 1 2	No defrost Contact input Network initiated		0 - 2	1
57	Maximum defrost time (from v0.02.2 on)		minutes		5 - 60	30
64	Delay after defrost		minutes		0 - 60	20
65	Invert defrost input	0 1	Defrost when i/p high Defrost when i/p low		0 - 1	0
<b>7. AUXILLIARY INPUT</b>						
36	Input 2 alarm delay time		minutes		0 - 99	20
66	Invert plant fault/door open/inhibit alarms input (from v0.02.2 on)	0 1	Healthy/door closed/temp alarms inhibited when i/p high Healthy/door closed/temp alarms inhibited when i/p low		0 - 1	0
67	Door alarm critical (only functional when item 98=3 (coldroom)) (from v0.02.2 on)	0 1	Non-critical Critical		0 - 1	1
<b>8. RESTORE FACTORY SETTINGS</b>						
9	Set default values				0 - 1	

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<b>9. SYSTEM ALARMS</b>						
80	Alarm state 81 - 86	0 1 - 255	No alarms Check 81 - 86			
81	Low temperature alarm	Clr lO.tE	No fault Fault			
82	High temperature alarm	Clr Hi.tE	No fault Fault			
83	Plant fault alarm	Clr i2.Ft	No fault Fault			
84	Door open alarm (critical) (from v0.02.2 on)	Clr do.Ft	No fault Fault			
85	T1 sensor fault	Clr t1.Ft	No fault Fault			
86	T2 sensor fault	Clr t2.Ft	No fault Fault			
87	Door open alarm (non-critical) (from v0.02.2 on)	Clr do.Ft	No fault Fault			
88	Defrost exceed maximum time (from v0.02.2 on)	Clr dF.Ft	No fault Fault			
90	Extended alarms	0 2	No alarms Unit shutdown			
<b>10. DIAGNOSTIC &amp; TEST FUNCTIONS</b>						
10	Processor alarms (11)	0 1 - 255	No alarms Check 11			
11	EEPROM fault	Clr rA.Ft	No fault Fault			
46	Network command	0 - 255	Jnet commands			
71	Input status	0 1  2 3	None present Defrost input present Input 2 present Both present			