JTL TEMPERATURE MONITOR ITEM NUMBERS | TA220/TA221

CONTENTS

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ITEM	DESCRIPTION	CODE		CODE MEANING	FACTORY DEFAULTS	RANGE	ITEM 9 VALUE
1. Jnet NETWORK IDENTIFICATION & SETUP							
0	Unit type	tA22		Unit type			
19	Software version number						
1	Unit number					000.1 - 899.8	
89	Sub-type Note Subtypes 2, 3, 4 & 6 apply to TA220 only. Subtype 5 applies to TA221only.	2 3 4 5 6	dc cr Ah dc.5i dc.A.I	DC mode (cabinet monitor) CR mode (coldroom monitor) AH mode (air handling monitor) DC mode (cabinet monitor with 5 V inputs hardware) Cabinet monitor with temp alarm inhibit input		2 - 6	dc
2. TEMPERATURES							
20	Reported temperature (Calculated from T1 and T2 temperatures)						
21	Air on temperature (T1)						
22	Air off temperature (T2)						
3. TEMPERATURE REPORTING PARAMETERS							
102	Temperature sensor type selection	0 1	std Hot	Standard sensor (5K) Hot sensor (16K)		0 - 1	std
							From v1.03.5 on
		2 3	2000 2200	2K Sensor 2K2 Sensor		0 - 3	std
38	Sensor configuration	0 1 2 3	nonE t.1 both t.2	Sensors disabled T1 sensor only T1 & T2 sensors T2 sensor only		0 - 3	both
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)					-99.9 to 99.9	0.0
30	Temperature setpoint (for optimiser compatibility, does not affect alarm logic)					-99.9 to +99.9	0.0

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4. TEMPERATURE ALARM PARAMETERS							
31	Alarm (low threshold)					-99.9 to +99.9	-3.0
32	Alarm (high threshold)					-99.9 to +99.9	8.0
47	up to v0.02.7 Period over which averages are taken (Two sensor mode) Temperature alarm delay time (Single sensor only) from v1.02.8 Temperature alarm delay			minutes		0 - 99	20
5. OPERATING MODE							
70	Refrigeration state	rEFr dEF dF.rc Sh.dn		Refrigeration Defrost Defrost recovery Shutdown			
6. DEFROST							
107	Defrost type selection	0 1 2	nonE IP.In Net	No defrost Contact input Network initiated		0 - 2	IP.In
57	Maximum defrost time			minutes		5 - 60	30
64	Delay after defrost			minutes		0 - 60	20
65	Invert defrost input (input 1)	0 1	no YES	Defrost when i/p energized Defrost when i/p de-energised		0 - 1	no
7. AUXILIARY INPUT (INPUT 2) Note: The use of the auxilliary input depends on the setting of item 89. When set to 2, 4 or 5 it is used for plant fault. When set to 3 it is used as a door input and when set to 6 it is used as a shutdown input which cancels temperature and defrost alarms.							
36	Input 2 alarm delay time			minutes		0 - 99	20
66	Invert plant fault/door open/inhibit alarms input	0 1	no YES	Healthy/door closed/temp alarms inhibited when i/p energized Healthy/door closed/temp alarms inhibited when i/p de-energized		0 - 1	no
67	Door alarm critical (only functional when item 89=3 (coldroom))	0 1	N.Crt Crit	Non-critical Critical		0 - 1	Crit
8. RESTORE FACTORY SETTINGS							
9	Set default values					0 - 1	
37	Suppress High temp alarms during defrost	0 1	no YES	Do not suppress alarms Suppress alarms		0 - 1	YES

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	9. SYSTEM ALARMS Note: If combinations of the alarms are present then the value displayed is added up from the individual alarm values.					
80	Alarm state	0 1 2 4 8 16 32 64 128	No alarms Low temperature High temperature Input 2 alarms Critical door open alarm Sensor 1 fault Sensor 2 fault Non-critical door open alarm Defrost over run			
90	Extended alarms	0 2	No alarms Unit shutdown			
	10. DIAGNOSTIC & TEST FUNCTIONS.					
10	Processor alarms	0 nonE 32 n.r.Ft	No alarms NVRAM fault			
46	Network command	0 - 255	Jnet commands			
71	Input status	0 nonE 1 IP:1 2 IP:2 3 IP:12	None present Defrost input present Input 2 present Both present			