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JTL ALARM ANNUNCIATOR ITEM NUMBERS						NA110	
ITEM	DESCRIPTION	CODE	CODE MEANING	BIT	RANGE	ITEM 9 VALUE	
				4321			
1. Jnet NETWORK IDENTIFICATION							
0	Unit type	nA11					
19	Software version number						
1	Unit number				0.1 - 899.9		
20	Alarm annunciator Group No. (v0.00.6 to v0.00.9) Note: For v0.00.6 - v0.00.8 setting this value to 0 allows all alarms to be displayed on this unit from v0.00.9 this feature is controlled by item 35.	0 1 2	All groups Group 1 Group 2		0 - 2	0	
2. DIAL-OUT TEST FUNCTION							
Note. The dial-out test time is in JTL network time (Jnet Time). This is normally standard or winter time not summer or daylight saving time.							
47	Dial-out test duration (for auto, manual and remote tests)				00:15 - 01:00	00:30	
43	Auto dial-out test function	OFF dt.En	OFF Enabled		0 - 1	dt.En	
44	Auto dial-out test frequency selection	0 1 2	52 12 365	Weekly Monthly Daily (v0.00.6 on)		12	
39	Auto dial-out test day of week (v0.00.6 on)	0 1 2 3 4 5 6	Sun Mon TueS Wed Thur Fri SAT	Sunday Monday Tuesday Wednesday Thursday Friday Saturday	0 - 6	Mon	
45	Auto dial-out test day of week/month (up to v.0.00.5)	0 - 6 1 - 31		Day of week (0 = SUN) Day of month	0 - 31	1	
	Auto dial-out test day of month (v0.00.6 on)	1 - 31		Day of month	1 - 31	1	
46	Auto dial-out test time of day				00:00 - 23:59	08:00	
48	Manual dial-out test function	OFF Od.En	OFF Enabled		0 - 1	Od.En	
49	Remote dial-out test command (sent by network controller)	OFF r.tst	OFF Remote test initiated				

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3. ALARM FUNCTIONS						
25	Select local mute enable	OFF AC.En	Local mute disable Local mute enable		0 - 1	AC.En
26	Select lamp output cancel	OFF LA.En	Non cancellable Cancellable		0 - 1	OFF
27	Cleaning function selection	OFF CF.En	Disabled Enabled		0 - 1	CF.En
28	Alarm lamp selection	OFF LP.EN	Disabled Alarm lamp enable		0 - 1	OFF
35	All alarms displayed on annunciator display (v0.00.9 on)	oFF A.A.En	Disabled All alarms displayed		0 - 1	A.A.En
3.1 ANNOUNCED UNIT SELECTION (v0.00.8 on)						
110	Enable selection of units that are announced	oFF En.A.U	Disabled Enabled		0 - 1	oFF
111 to 142	Unit nos of units that are announced on this annunciator. Up to 32 unit nos can be specified.	0.0	not used		0.0 - 899.8	0.0
4. INPUTS AND OUTPUTS						
21	Siren output status (LN/LD1)	OFF Sn.on	Siren off Siren on			
22	Lamp output status (LN/LD2)	OFF LP.on	Lamp output off Lamp output on			
23	"Function" pushbutton input status	OFF Pb.1	Off Button pressed			
24	"Scroll" pushbutton input status	OFF Pb.2	Off Button pressed			
29	"Enter" pushbutton input status	OFF Pb.3	Off Button pressed			

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5. CLOCK/CALENDAR FUNCTIONS						
This product supports a pseudo clock which indicates the time on the JTL network. Note, from version 0.00.3, the time and date can be displayed as standard or daylight saving (summer) time. This choice is made on item 18. When daylight saving is chosen and the controller is connected to a JTL Network Controller supporting daylight saving operation, the change is made automatically to the current EU directive.						
2	Time of day				00:00 - 23:59	
3	Day of week	Sun - Sat	0 = Sunday 1 = Monday etc			
4	Date				01.01 - 31.12	
5	Year				up to version 0.00.2	
					00 - 99	
					from v0.00.3	
					2001 - 2022	
					from v0.00.7	
					2009 - 2034	
18	Daylight saving enable (v0.00.3 on)	Stnd dAY.S	Standard time Daylight saving time		0 - 1	Stnd
6. RESTORE FACTORY DEFAULTS						
To set the factory defaults into the memory of the controller, first set the bitswitches as shown, then 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.						
966	Virtual bitswitch setting From version 0.01.0 the physical bitswitches have been replaced by virtual bitswitches. Set this item in place of using the bitswitches which are redundant.	0	Standard set			
9	Set default values	1234	Set default values			
		1066	(from v0.00.3) Write to NVRAM without delay			
7. RESTORE PARAMETERS FROM NETWORK (from v0.01.0)						
To restore the data from the network first set the virtual bitswitch on item 966 and the appropriate unit number on item 1. Then check item 965 to see if this facility is available on the network. The information on item 965 is received from a network broadcast every few minutes. If the restore parameter facility is available and operational then item 965 will be set to a non zero number e.g. 2. To request restore parameters set item 964 to 1234. Item 963 displays parameters restore progress. When all parameters are downloaded item 964 is cleared to 0.						
965	Master database port	0 1 - 4	Not in use NC port no			
964	Set restore parameters from network	1234	Request restore			
963	Parameters restore progress	rdy dnI.r din.P dnI.c FA.IL	Restore function possible Restore requested Restore in progress Restore complete Restore fault			
959	Requested template	0 1 - 9999	As commissioned Template number		0 - 9999	

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8. SYSTEM ALARMS						
30	Group alarm 31 - 38	0 1 - 255	No alarms Check 1 - 88			
31	Unit number corrupted/not set	CLr Un.CF	No fault Fault			
32	Dial-out test alarm	CLr d.tst	Not active Test in progress			
33	Manual dial-out test	CLr HAnd	Not active Manual test in progress			
34	Remote dial-out test	CLr r.dot	Not active Remote test in progress			
90	Group alarms 91 - 98	0 1 - 255	No alarms Check 91 - 98			
91	Cleaning mode selected (alarm is cleared when read by network controller)	CLr CF.Pr	No alarm Cleaning selected			
92	Mute button pressed (alarm is cleared when read by network controller)	CLr AC.Pr	No alarm Button pressed			
9. DIAGNOSTIC & TEST FUNCTIONS						
6	Communications speed	38.4 4.8	Kilobaud rate			
7	2/4 wire communications choice (Half/Full duplex)	HALF	2 wire			
967	Latest unit no polled on zone (from v0.01.0)					
973	Latest polling interval This time shows the polling interval between the last two successful network awake messages to this unit.	min:sec				
974	Time since last awake message	min:sec				
975	Network receive timer Each time a message is read correctly the timer is set to 10 it counts down. If the timer reaches 0 then the communications module is reset.	seconds	(counts down to 0)			
976	Network receive bad character counter. The counter counts down from a preset number. When the counter reaches 0 the communications module is reset.		(counts down to 0)			
977	Transmit control line status for the operation of the Jnet network communications (from v0.00.7)	Hi Lo	Transmit Receive			
8	Bitswitch setting	0	Standard set			
71	Pushbutton status Note if more than one button is pressed the numbers shown in brackets are added together and displayed instead if the text.	Pb-1 (4) Pb-2 (64) Pb-3 (128)	Function p/b Scroll p/b Enter p/b			
99	Test digital display	CLr SEt	Not active Test active		0 - 1	

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101	Test output relays (from v0.00.3)	CLr SEt	Not active Test active		0 - 1	
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			

DISPLAY DATA		NA110
NORMAL DISPLAY		
JTL	Start-up text - no timed-out critical alarms on the system.	
ALARM TEXT		
Alarms are displayed using a pair of alternating messages. One message is the number of the unit on alarm and the other message is the alarm message. The highest priority (worst) alarm on the system is normally displayed. Use the present delay times associated with them. All alarms presented at the alarm annunciator will have persisted for some time already and, if they continue, may cause the system to dial out.		
FAIL (flashing)	Communications with the main JTL alarm system (the JTL comms unit) has not occurred for longer than the allowed time limit.	
All other alarms	See the alarm messages wall chart (Figure 1) on page 3.	
OTHER TEXT		
Turn off	The Cleaning/Maintenance sequence has been started. JTL units connected to the alarm system may be switched off for maintenance within 5 minutes of pressing the button.	
AL.xx	This message is displayed each time the Scroll pushbutton is pressed. Alarm number xx in the alarm list follows this text. Each time the pushbutton is pressed, xx is incremented and the next alarm message follows. When there are no more alarm messages available in the list, xx returns to number 01. From v0.00.9 if item 35 is set then the annunciator will automatically scroll through the list without having the scroll pushbutton pressed.	
A.diS	Cleaning/Maintenance selection follows this text.	
d.tSt	Manual dial-out test selection follows this text.	
d.tod	Auto dial-out test time of day follows this text.	
d.PEr	Auto dial-out test frequency follows this text 52 = weekly, 12 = monthly	
d.dAY	Auto/manual dial-out test day (week or month) follows this text	
d.dur	Dial-out test duration follows this text.	
Func	Function pushbutton pressed	
data	Normal display mode follows this text	