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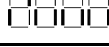
GRAPHICAL DISPLAY 5

ARCTIC CIRCLE LT TRANSCRITICAL PRESSURE OPTIMISER ITEM NUMBERS					LU110	
ITEM	DESCRIPTION	CODE	CODE MEANING	FACTORY DEFAULT	RANGE	ITEM 9 VALUE
1. Jnet NETWORK IDENTIFICATION						
0	Unit type	LU11	LU110			
19	Firmware version number					
1	Unit number				0.1 - 899.9	
2. OPTIMISER SETUP						
20	Operation Mode	OP.En OP.di Forc	Optimiser enabled Optimiser disabled Forced value			
140	Disable optimiser	O.En O.dIS	Enabled Disabled		0 - 1	O.En
9392	Temperature display unit choice	CELS FAhr	Celsius Fahrenheit		0 - 1	CELS
9393	Pressure display unit choice	none PSI bAr PASC	Not selected (kPa) p.s.i bar kPa		0 - 3	PSI
3. INTERSTAGE PRESSURE SETPOINT						
21	LT Suction pressure					
22	Discharge pressure					
23	Interstage pressure					
151	Interstage pressure setpoint					
40	Minimum pressure setpoint				300 - 550	420
152	Maximum pressure setpoint				300 - 700	500
33	Interstage temperature					
143	Interstage superheat					
144	Minimum interstage superheat				0 - 10	5.0
145	Interstage superheat deadband				0 - 5	1.0
146	Interstage superheat integral gain				0 - 9.99	1.0
147	CO2 boiling point					
161	Forced interstage pressure					
71	LT suction pressure set				0 - 9999	0
70	Legacy LT suction pressure enabled	oFF L.S.P.t	Disabled Enabled		0 - 1	OFF
5071	LT suction pressure received from					
5070	Legacy LT suction pressure received from					
72	Discharge pressure set				0 - 9999	0
5072	Discharge pressure received from					
73	Interstage pressure set				0 - 9999	0

ARCTIC CIRCLE LT TRANSCRITICAL PRESSURE OPTIMISER ITEM NUMBERS					LU110	
ITEM	DESCRIPTION	CODE	CODE MEANING	FACTORY DEFAULT	RANGE	ITEM 9 VALUE
5073	Interstage pressure received from					
76	Interstage temperature set				0 - 9999	0
5076	Interstage temperature received from					
78	Interstage pressure setpoint set				0 - 9999	0
4. VESSEL PRESSURE SETPOINT						
24	Liquid pressure					
204	Compressor capacity loaded					
5025	Liquid pressure setpoint					
5023	Liquid pressure setpoint minimum					
5024	Liquid pressure setpoint maximum					
5027	Liquid pressure setpoint rate of change (psi/sec)				up to v0.00.2	
					1 - 100	10
					from v0.00.3	
					0.1 - 10	0.1
5028	Forced liquid pressure					
74	Liquid pressure set				0 - 9999	0
5074	Liquid pressure received from					
75	Compressor capacity set				0 - 9999	0
5075	Compressor capacity received from					
77	Liquid pressure setpoint set				0 - 9999	0
5. CLOCK CALENDAR						
Note, 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				2018 - 2099	
18	Daylight saving enable	Stnd dAY.S	Standard time Daylight saving time		0 - 1	Stnd

ARCTIC CIRCLE LT TRANSCRITICAL PRESSURE OPTIMISER ITEM NUMBERS					LU110	
ITEM	DESCRIPTION	CODE	CODE MEANING	FACTORY DEFAULT	RANGE	ITEM 9 VALUE
6. RESTORE FACTORY DEFAULTS						
966	Virtual bitswitch settings					
9	Set default values To set the factory defaults into the memory of the controller, 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.	1234	Set default values			
		1066	Write to NVRAM without delay			
7. RESTORE PARAMETERS FROM NETWORK To restore the data from the network first set 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 the parameter 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	Parameter restore progress	rdy dnl.r din.p dnl.c FAIL	Restore function possible Restore requested Restore in progress Restore complete Restore fault			
959	Requested template	0 1-9999	As commissioned Template number		0 - 9999	
8. SYSTEM ALARMS						
80	Group alarm 81 - 88 (see graphical data)		see graphical data			
82	Optimiser disabled	CLr O.dIS				
88	Unit number corrupted or not set	CLr Un.CF	Clear Fault			

ARCTIC CIRCLE LT TRANSCRITICAL PRESSURE OPTIMISER ITEM NUMBERS					LU110	
ITEM	DESCRIPTION	CODE	CODE MEANING	FACTORY DEFAULT	RANGE	ITEM 9 VALUE
9. DIAGNOSTIC & TEST FUNCTIONS						
6	Communications speed	4.8	Kilo baud rate			
954	Current zone number					
967	Latest unit no polled on zone					
973	Latest polling interval This time shows the polling interval between the last two untimed broadcasts..	min:sec				
974	Time since last awake message	min:sec				
8	Bitswitch setting	not used				
10	Processor alarms (11 - 17) (see graphical data)	0 1 - 255	No alarms Check 11 - 17			
14	Background loop fault	CLr bL.Ft	No fault Fault			
16	Non volatile memory fault	CLr n.FLt	No fault Fault			

GRAPHICAL DISPLAY OF BIT DATA		
Graphical display of bit data used on items where the data was shown previously as a decimal value	bit	Graphic
	None	
	1	
	2	
	3	
	4	
	5	
	6	
	7	
	8	