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JTL COMPRESSOR PACK ITEM NUMBERS						LP120	
ITEM	DESCRIPTION	CODE	CODE MEANING	FACTORY DEFAULTS	RANGE	ITEM 9 VALUE	
1. Jnet NETWORK IDENTIFICATION							
0	Unit type	LP12	Unit type				
19	Software version number						
1	Unit number				0.1 - 899.9		
2. TEMPERATURE & PRESSURE							
2.1 PRESSURE							
<p>Note: Pressures can be displayed on the maintenance unit in psi, bar or kPa. The choice is made on item 179. All setpoint ranges are shown in psi.</p> <p>Average pressures are averaged over last hour and are updated every 4 minutes.</p>							
179	Pressure display unit choice	1 2 3	PSI bAr PASC	p.s.i. bar kPa		1 - 3	PSI
21	Suction pressure						
146	Average suction pressure over 1 hour						
42	High suction pressure alarm level				0 1	10 to 50 25 to 80	20 60
41	Low suction pressure alarm level				0 1	-5 to +15 5 to +40	0 20
121	Pressure transducer selection	OFF S.t.En	Disabled Enabled			0 - 1	St.En
421	Full scale transducer value (at 20mA)					50 - 200	100.0
426	Zero scale transducer value (at 4mA)					-15 - 0	0.0
2.2 TEMPERATURE & HUMIDITY (FROM V0.00.3)							
178	Temperature display choice	CELS FAhr	Celsius Fahrenheit			0 - 1	CELS
897	Site temperature (from broadcast) (v0.00.3 on)						
898	Site relative humidity (from broadcast) (v0.00.3 on)						
896	Site absolute humidity (from broadcast) (v0.00.3 on)						
899	Outside temperature (from broadcast) (v0.00.3 on)						
3. SUCTION PRESSURE CONTROL							
<p>If suction pressure optimisation is selected then the suction pressure setpoints as set in item 40 can be adjusted upwards to the maximum by a JTL optimisation unit connected to the network.</p> <p>If there is no JTL optimisation unit on the network then the setpoint remains at the original set value. In the event of network failure the setpoints revert to the original set value after a time delay of 15 minutes.</p>							
150	Select network optimised suction pressure control	OFF OPt.E	Not added Selected			0 - 1	OFF
40	Suction pressure setpoint				0 1	0 to +20 5 to 60	8 35
151	Optimised suction setpoint						
153	Optimised suction setpoint (HT Optimiser)						

JTL COMPRESSOR PACK ITEM NUMBERS					LP120	
ITEM	DESCRIPTION	CODE	CODE MEANING	FACTORY DEFAULTS	RANGE	ITEM 9 VALUE
152	Optimised suction setpoint upper limit			0 1	5 to +20 15 to 60	15 55
49	Suction pressure healthy level				0 - 10	5
60	Low ambient temperature level (v0.00.3 on)				5 to 15	10
61	Enable low ambient temperature level (v0.00.3 on)	oFF LA.En			0 - 1	OFF
62	Broadcast timer selection to disable optimised pressure (v0.00.3 on)	0 1 - 8	Disabled Timer number		0 - 8	0
63	Compressor control status (v0.00.3 on)	0 A.Cpr P.htY	None Allowed to run Pressure healthy			
4. COMPRESSOR ALARMS						
206	Compressor fault alarm delay (mins)				0 - 10	0
158	Compressor fault repeat alarm delay time	00:00	feature disabled		00:00 -24:00	00:00
5. INVERTER DATA						
330	Select inverter control	In.1S	Inverter selected			
151	Optimised suction setpoint (operational)					
153	Optimised HT suction setpoint					
347	Suction pressure error					
344	Inverter capacity loaded in effective kW					
341	Minimum cut out pressure			0 1	- 8 to +20 0 to 40	0 10
64	Restart pressure (from v0.00.4)			0 1	0 to +20 5 to 60	8 35
340	Time constant				1 - 240	30
339	Speed gain				1 - 250	100
345	Current proportional term					
346	Current Integral term					
331	Number of steps on load	0 127	Off Maximum			
332	Inverter run hours (in 10's of hours)				0 - 9999	
333	Inverter status	rdy c.hty i.hty 0	ready to run (Inverter & compressor healthy) Inverter compressor healthy Inverter healthy not ready to run			
343	Minimum steps allowed				1 -63	1
342	Maximum steps allowed				64 - 127	127
335	Inverter capacity at minimum speed in effective kW				1 - 100	5

JTL COMPRESSOR PACK ITEM NUMBERS					LP120	
ITEM	DESCRIPTION	CODE	CODE MEANING	FACTORY DEFAULTS	RANGE	ITEM 9 VALUE
336	Inverter capacity at maximum speed in effective kW				1 - 100	10
337	Forced no. of steps				0 - 127	
338	Force inverter off	CP.En C.OFF	Enabled to run Inverter forced off		0 - 1	
6. INPUTS AND OUTPUTS						
20	Operating mode	oFF Auto	Manual Automatic			
171	Inverter & compressor ok (IP-1)	Hty InFt	Healthy Fault			
173	Plant ok (IP-3)	Hty PL.ft	Healthy Fault			
174	Auto/manual (IP-4)	OFF Auto	Manual (pack controller dormant) Auto mode			
161	Run inverter (LN/LD-1)	OFF run.I	off Run inverter			
162	Suction pressure healthy (LN/LD-2)	OFF S.P.Hy	off Suction pressure healthy			
163	Watchdog output (LN/LD-3)	OFF On	Watchdog fail Watchdog healthy			
164	High suction pressure alarm (LN/LD-4)	clr Hi.SP	Off High pressure			
7. DISPLAY FUNCTIONS						
179	Pressure display unit choice	1 2 3	PSI bAr PASC	p.s.i. bar kPa	1 - 3	PSI
8. 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				2011 - 2034	
18	Daylight saving enable	Stnd dAY.S	Standard time Daylight saving time		0 - 1	Stnd

JTL COMPRESSOR PACK ITEM NUMBERS					LP120	
ITEM	DESCRIPTION	CODE	CODE MEANING	FACTORY DEFAULTS	RANGE	ITEM 9 VALUE
9. RESTORE FACTORY DEFAULTS						
966	Virtual bitswitch setting (from version 0.00.1)	0 1	LT HT	0 1		
9	Set default values selected by Bitswitches Note: Setting the bitswitches alone has no effect. Note prior to v0.00.1 defaults were to LT settings only.	1234	Set defaults values	0 1	LT HT	
		1066	Write to NVRAM without delay			
10. RESTORE PARAMETERS FROM NETWORK (from v0.00.1)						
<p>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.</p>						
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 n.l.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	
11. SYSTEM ALARMS						
80	Group alarm 81 - 88	Graphical	See display data			
81	Low suction pressure	Clr Lo.SP	No fault Fault			
82	High suction pressure	Clr Hi.SP	No fault Fault			
90	Group alarm 91 - 98	Graphical	See display data			
91	Pressure transducer fault	Clr Pt.Ft	No fault Fault			
92	Temperature sensor	Clr tS.Ft	No fault Fault			
98	Compressor inverter fault	Clr InL.F	No fault Fault			
910	Group alarms (from v0.00.2)	Graphical	See display data			
915	Plant fault (from v0.00.2)	Clr Pt.Ft	No fault Plant fault			

JTL COMPRESSOR PACK ITEM NUMBERS









LP120

ITEM	DESCRIPTION	CODE	CODE MEANING	FACTORY DEFAULTS	RANGE	ITEM 9 VALUE
12. DIAGNOSTIC & TEST FUNCTIONS						
6	JTL Network communications speed	4.8	Kilo Baud			
7	Communications method	HALF	2 wire			
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 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.	Hi Lo	Transmit Receive			
8	Bitswitch settings (from v0.00.1)	Lt Ht	LT Compressor HT Compressor			
99	Test digital displays	CLr SEt	Not active Test active		0 - 1	
100	Test inputs	- - - - 1 - - - - 2 - -	No inputs Input 1 on Input 2 on			
199	Test relay outputs	clr SEt	Not active Active		0 - 1	
10	Processor alarms (11 - 17)	Graphical	See display data			
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		LP120
NORMAL DISPLAY		
999.9	Pressure in psi	
--	Not selected	
ALARM TEXT (in descending priority order)		
P.FLd	Plant failed	
Hi.SP	High suction pressure	
OTHER TEXT		
JTL	Start-up text	

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	