CONTENTS

JTL COMPRESSOR PACK ITEM NUMBERS					EPLT	
ITEM	**DESCRIPTION**	**CODE**	**CODE MEANING**	**FACTORY DEFAULT**	**RANGE**	**ITEM 9 VALUE**
1. Jnet NETWORK IDENTIFICATION						
0	Unit type	EPLt	Unit type			
19	Software Version number					
1	Unit number				0.1 - 899.9	
2. PRESSURES 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. Pressures are averaged over last hour (the average is updated every 4 minutes)						
179	Pressure display unit choice	1 2 3	PSI bAr PASC	p.s.i. bar kPa	1 - 3	PSI
2.1 LT SUCTION PRESSURE						
21	LT suction pressure					
146	Average LT suction pressure					
42	High LT suction pressure alarm level				10 - 50	20
121	LT pressure transducer selection	OFF Lt.En		Disabled Enabled	0 - 1	Lt.En
126	Absolute LT suction pressure transducer selection	Lt.GA Lt.Ab		Gauge (0 to 100psi) Absolute (-15 to 85 psi)	0 - 1	Lt.GA
2.2 HT SUCTION PRESSURE						
22	HT suction pressure					
147	Average HT suction pressure					
52	High HT suction pressure alarm level				15 - 80	60
122	HT pressure transducer selection	OFF Ht.En		Disabled Enabled	0 - 1	Ht.En
2.3 SATELLITE SUCTION PRESSURE						
24	Satellite suction pressure					
149	Average satellite suction pressure					
72	High Satellite suction pressure alarm level				20 - 80	50
124	Satellite pressure transducer selection	OFF St.En		Disabled Enabled	0 - 1	St.En
129	Absolute Satellite suction pressure transducer selection	St.GA St.Ab		Gauge (0 to 100 psi) Absolute (-15 to 85 psi)	0 - 1	St.GA
2.4 DISCHARGE PRESSURE						
23	Discharge pressure					
148	Average discharge pressure					
62	High discharge pressure alarm level				140 - 300	250
123	Discharge pressure transducer selection	OFF DS.En		Disabled Enabled	0 - 1	DS.En

JTL COMPRESSOR PACK ITEM NUMBERS						EPLT
ITEM	**DESCRIPTION**	**CODE**	**CODE MEANING**	**FACTORY DEFAULT**	**RANGE**	**ITEM 9 VALUE**
	3. TEMPERATURES Note: Temperatures can be displayed on the maintenance unit in degrees Celsius or Fahrenheit. The choice is made on item 178. All setpoint ranges are shown in Celsius.					
178	Temperature display unit choice	CELS FAhr	Celsius Fahrenheit		0 - 1	CELS
31	LT suction gas temperature					
141	LT suction superheat					
131	LT suction temperature	OFF t1.En	Not selected Selected		0 - 1	t1.En
32	HT suction gas temperature					
142	HT suction superheat					
132	HT suction temperature	OFF t2.En	Not selected Selected		0 - 1	t2.En
33	Discharge temperature					
133	Discharge temperature	OFF t3.En	Not selected Selected		0 - 1	t3.En
34	Satellite suction gas temperature					
143	Satellite suction superheat					
134	Satellite suction temperature	OFF t4.En	Not selected Selected		0 - 1	t4.En
35	Subcooled liquid temperature					
135	Subcooled liquid temperature	OFF t5.En	Not selected Selected		0 - 1	t5.En
36	Sensor 6 temperature					
136	Temperature sensor 6	OFF t6.En	Not selected Selected		0 - 1	Off
37	Plant room temperature					
137	Plant room temperature	OFF t7.En	Not selected Selected		0 - 1	t7.En
144	Minimum superheat	0.0	Alarm disabled		0.0 - 20.0	0.0
157	Refrigerant type	0 nonE 1 22 2 502 3 404 4 407A 5 407B 6 507 7 R408	None R22 R502 R404 R407A R407B R507 R408A		up to v0.01.2 0 - 6 from v0.01.3 3 - 7	R404A
897	Site temperature (from broadcast v0.01.3 on)					
898	Site relative humidity (from broadcast v0.01.3 on)					
896	Site absolute humidity (from broadcast v0.01.3 on)					

JTL COMPRESSOR PACK ITEM NUMBERS						EPLT
ITEM	**DESCRIPTION**	**CODE**	**CODE MEANING**	**FACTORY DEFAULT**	**RANGE**	**ITEM 9 VALUE**
899	Outside temperature (from broadcast v0.01.3 on)					
4. SUCTION PRESSURE CONTROL If suction pressure optimisation is selected then the suction pressure setpoints as set in item 40, 50 and 70 can be adjusted upwards to the maximum by a JTL optimisation unit connected to the network. 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.						
150	Select network optimised suction pressure control	Off OPt.E	Not added Selected		0 - 1	Off
195	Enable low suction pressure safety (v0.00.9 on)	Off LP.En	Disabled Enabled		0 - 1	Off
4.1 LT SUCTION PRESSURE CONTROL Note LT suction control is enabled only when there are LT compressors selected in section 5.2 using Item 2 x 5.						
40	LT suction pressure setpoint				- 5 to + 20	4
151	Optimised LT suction setpoint					
152	Optimised LT suction setpoint upper limit				5 - 20	10
43	LT suction pressure deadband				0 - 5	2
44	LT suction pressure increase time constant				1 - 60	30
45	LT suction pressure decrease time constant				1 - 60	15
48	LT suction 1st stage hold on				- 8 to +20	0
191	Integrated LT pressure error					
41	No of LT suction steps loaded					
196	Low LT suction pressure safety shutdown level (v0.00.9 on)				-5 to 10	0
49	LT suction total capacity loaded (in kW)					
181	LT suction increase next step (kW)					
182	LT suction decrease next steo (kW)					
204	Forced number of LT suction stages				0 - 30	
101	Maximum number of LT compressors allowed				1 - 10	10
102	Number of LT compressors running					

JTL COMPRESSOR PACK ITEM NUMBERS						EPLT
ITEM	**DESCRIPTION**	**CODE**	**CODE MEANING**	**FACTORY DEFAULT**	**RANGE**	**ITEM 9 VALUE**
4.2 HT SUCTION PRESSURE CONTROL Note LT suction control is enabled only when there are HT compressors selected in section 5.2 using Item 2 x 5.						
50	HT suction pressure setpoint				5 - 60	25
153	Optimised HT suction setpoint					
154	Optimised HT suction setpoint upper limit				up to v0.00.9 15 - 60 from v0.01.0 15 - 70	40
53	HT suction pressure deadband				1 - 25	5
54	HT suction pressure increase time constant				1 - 60	30
55	HT suction pressure decrease time constant				1 - 60	15
58	HT suction 1st stage hold on				2 - 60	10
192	Integrated HT pressure error					
51	No of HT suction steps loaded					
197	Low HT suction pressure safety shutdown level (v0.00.9 on)				10 - 40	20
59	HT suction total capacity loaded (in kW)					
183	HT suction increase next step (kW)					
184	HT suction decrease next step (kW)					
205	Forced number of HT suction stages				0 - 30	
103	Maximum number of HT compressors allowed				1 - 10	10
104	Number of HT compressors running					

JTL COMPRESSOR PACK ITEM NUMBERS					EPLT	
ITEM	**DESCRIPTION**	**CODE**	**CODE MEANING**	**FACTORY DEFAULT**	**RANGE**	**ITEM 9 VALUE**
4.3 SATELLITE SUCTION PRESSURE CONTROL Note LT suction control is enabled only when there are satellite compressors selected in section 5.2 using Item 2 x 5.						
70	Satellite suction pressure setpoint				-5 to + 50	2
155	Optimised Satellite suction setpoint					
156	Optimised Satellite suction setpoint upper limit				5 - 50	10
73	Satellite suction pressure deadband				0 - 10	5
74	Satellite suction pressure increase time constant				1 - 60	30
75	Satellite suction pressure decrease time constant				1 - 60	30
78	Satellite suction 1st stage hold on				- 5 to + 50	0
194	Satellite suction					
71	No of satellite suction steps loaded					
198	Low satellite suction pressure safety shutdown level (v0.00.9 on)				-5 to 10	0
79	Satellite suction total capacity loaded (in kW)					
187	Satellite suction increase next step (kW)					
188	Satellite suction decrease next step (kW)					
207	Forced number of satellite suction stages				0 - 30	
105	Maximum number of satellite compressors allowed				1 - 10	10
106	Number of satellite compressors running					

JTL COMPRESSOR PACK ITEM NUMBERS — EPLT

ITEM	DESCRIPTION	CODE		CODE MEANING	FACTORY DEFAULT	RANGE	ITEM 9 VALUE
5. COMPRESSOR CONTROL Forced functions remain forced if the Maintenance Unit remains plugged in. They are automatically cancelled 30 minutes after the Maintenance Unit is unplugged.							
5.1 COMMON DATA							
200	Number of compressors					0 - 10	10
201	Number of steps on load						
203	Total capacity loaded (in kW)						
208	Minimum compressor stop time (seconds)					0 - 240	30
206	Compressor fault alarm delay (mins)					0 - 10	0
158	Compressor fault repeat alarm delay time (v0.00.9 on)	00:00		Feature disabled		00:00 -24:00	00:00
909	Interface baud rate (v0.01.1 on) Note baud rate fixed at 600 baud from v0.01.3 to v0.01.5 Note, for interface type IF1-6 & IF11-14 this must be set to 600 baud. For interface type IF31-35 this cannot be set to 600 baud. 2400 baud is recommended. The IF settings should be set to match this speed.	0 1 2 3 4 5	0.6 1.2 2.4 4.8 9.6 19.2	600 baud 1200 baud 2400 baud 4800 baud 9600 baud 19200 baud		0 - 5	0.6
5.2 COMPRESSOR DATA A general form of item numbers for compressors is shown below. The "x" shown in each item number should be replaced by the compressor number. This sequence covers item numbers 210-299 for compressors 1 - 9 and 300 - 309 for compressor 10.							
2x0	Number of steps					0 - 1	1
2x1	Number of steps on load						
2x2	Running hours (in 10s of hours)					0 - 9999	
2x3	Compressor status	rdy 0		Ready to run (no fault). Off or compressor interface fault.			
2x4	Compressor restart inhibit timer (Seconds)						
2x5	Compressor function	0 1 2 3	0 Lt.C Ht.C SAt.C	Not in use LT HT Satellite		0 - 3	Lt.C
2x6	Compressor capacity in effective kW					1 - 100	10
2x7	Forced number of compressor steps					0 - 1	
2x8	Force compressor off	CP.En C.OFF		Compressor enabled to run Compressor forced off		0 - 1	
2x9	Compressor number of starts per hour					4 - 20	10

ITEM	DESCRIPTION	CODE	CODE MEANING	FACTORY DEFAULT	RANGE	ITEM 9 VALUE
351-360	Average number of starts per hour last 24 hours (351 for compressor 1 etc)					
371-380	Compressor run time last 24 hours (371 for compressor 1 etc)					
	5.3 COMPRESSOR INPUT AND OUTPUT STATUS (V0.00.9) Note 1. If combinations of input or output are present then the value displayed is added up from the individual input/output values as follows: 1 Input/Output 1 2 Input/Output 2 4 Input/Output 4 8 Input/Output 5 16 Input/Output 6 32 Input/Output 6 64 Input/Output 7 128 Input 8					
111	Compressor input status interface 1					
112	Compressor input status interface 2					
113	Compressor output status interface 1					
114	Compressor output status interface 2					
	6. DISCHARGE PRESSURE CONTROL From v0.01.3 the discharge pressure setpoint can float if item 363 is set to a non zero value. The discharge pressure is item controlled to the appropriate temperature depending on the outside ambient temperature. Note temperatures can be displayed on the Maintenance Unit in Celsius or Fahrenheit. The choice is made on item 178.					
178	Temperature display unit choice	0 CELS 1 FAhr	Celsius Fahrenheit		0 - 1	CELS
394	Condenser control selection (see manual for sequence)	up to v0.00.7				
		StEP A.LOG	Step control Analog control		0 - 1	StEP
		v0.00.8 on				
		1 A.LOG 2 CS-A 3 CS-b 4 CS-C	Analogue control Sequence A Sequence B Sequence C		1 - 4	CS-A
60	Discharge pressure setpoint				100 - 250	150
350	Maximum discharge pressure set point				175 - 250	200
899	Outside temperature					
363	Floating discharge temperature differential	0.0	Function disabled		0 - 15	0.0
364	Effective minimum discharge temperature.					
365	Condenser operating temperature					
370	Optimised discharge pressure set point					
63	Discharge pressure deadband				0 - 20	5
395	Analog fan speed gain				up to v0.00.2	10
					1 - 25	
					from v0.00.3	

ITEM	DESCRIPTION	CODE	CODE MEANING	FACTORY DEFAULT	RANGE	ITEM 9 VALUE
					5 - 50	
64	Condenser control time constant				1 - 250	30
65	Discharge pressure to reduce capacity				140 - 320	300
193	Integrated discharge pressure error					
7. CONDENSER CONTROL Forced functions remain forced if the Maintenance Unit remains plugged in. They are automatically cancelled 30 minutes after the Maintenance Unit is unplugged.						
7. 1 STEP CONTROL						
390	Number of condenser steps				up to V0.00.7 0 - 13 v0.00.8 on 0 - 14	7
61 (391)	Number of condenser steps running					
392	Forced number of condenser steps				0 - no. of steps (item 390)	
7. 2 ANALOGUE CONTROL						
368	Maximum speed at night (%) (v0.01.1 on)				50 - 100	100
369	Select network timer for nightime definition (v0.01.1 on)	0 1 - 8	Disabled Timer number		0 - 8	0
397	Number of condenser steps in backup analogue mode (from v0.00.4)				0 - 99	0 - 99
392	Forced number of condenser steps				0 - 99	

ITEM	DESCRIPTION	CODE	CODE MEANING	FACTORY DEFAULT	RANGE	ITEM 9 VALUE
7.3 CONDENSER INPUT & OUTPUT STATUS Note 1. If combinations of input or output are present then the value displayed is added up from the individual input/output values as follows: 1 Input/Output 1 2 Input/Output 2 4 Input/Output 4 8 Input/Output 5 16 Input/Output 6 32 Input/Output 6 64 Input/Output 7 Note 2. From v0.00.8 the normal combinations are displayed as shown below.						
389 388 396 387	Output status interface 1 (v0.00.8 on) Output status interface 2 (v0.00.8 on) Input status interface 1 Input status interface 2 (v0.00.8 on)	1 1 - 2 1 - 3 1 - 4 1 - 5 1 - 6 1 - 7 1.7 1 - 2.7 1 - 3.7 1 - 4.7 1 - 5.7	Input/output 1 on 1 & 2 on 1, 2 & 3 on 1, 2, 3 & 4 on 1, 2, 3, 4 & 5 on 1, 2, 3, 4, 5 & 6 on 1, 2, 3, 4, 5, 6 & 7 on 1 & 7 on 1, 2 & 7 on 1, 2, 3 & 7 on 1, 2, 3, 4 & 7 on 1, 2, 3, 4, 5 & 7 on			
909	Interface baud rate (see section 5.1) (from v0.01.1)					
8. INPUTS AND OUTPUTS						
20	Operating mode (v0.00.3 on)	oFF Auto	Manual Automatic			
170	Input status	iP - - iP 1 - iP - 2	No input Input 1 Input 2			
171	Auto/manual (IP-1)	OFF Auto	Manual (pack controller dormant) Auto mode			
172	Liquid level (IP-2)	CLr Lo.Li	Liquid o.k. Low liquid level			
175	Low level liquid alarm delay (minutes)				15 - 240	30
160	Watchdog output (LN/LD-2)	OFF On	Watchdog fail Watchdog healthy			

JTL COMPRESSOR PACK ITEM NUMBERS						EPLT
ITEM	**DESCRIPTION**	**CODE**	**CODE MEANING**	**FACTORY DEFAULT**	**RANGE**	**ITEM 9 VALUE**
9. DEFROST CONTROL						
9.1 COMMON DATA						
400	Number of stubs				0 - 28	28
401	Maximum electric defrost duration Note: Off cycle defrosts are assumed to be longer than this setting.				15 - 40	25
404	Maximum number of electric defrosts allowed at any time				1 - 28	3
398	Jnet network defrost arrangement	nonE PrEd dEFS	No scheduling Predict scheduler Time scheduler			
399	JTL Predict defrost controller present on network	oFF PrEd	Not present Present			
176	Defrost scheduling operation in manual	Auto MAn	Enabled in auto only Enabled always		0 - 1	Auto
9.2 DEFROST DATA Time and defrost schedule can be automatically displayed as standard time or daylight saving (summer) time if desired. When daylight saving is operational the displayed schedule is automatically adjusted so that defrost still occur at the same "standard time".						
410 420 430 440 450 460 470 480 490 500 510 520 530 540 550 560 570 580 590 600 610 620 630 640 650 660 670 680	Start time for first daily defrost	SYSTEM 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28			00:00 - 23:59	TIME 08:00 08:30 09:00 09:30 10:00 10:30 11:00 11:30 12:00 12:30 13:00 13:30 08:15 08:45 09:15 09:45 10:15 10:45 11:15 11:45 12:15 12:45 13:15 13:45 08:00 09:00 10:00 11:00

JTL COMPRESSOR PACK ITEM NUMBERS — EPLT

ITEM	DESCRIPTION	CODE	CODE MEANING	FACTORY DEFAULT	RANGE	ITEM 9 VALUE
A general form of item numbers for defrost systems is shown below. The "x" shown in each item number should be replaced by the system number up to system 9. Systems 10-19 use items 500-599 and systems 20-28 use items 600-689. Forced functions remain forced if the Maintenance Unit remains plugged in. They are automatically cancelled 30 minutes after the Maintenance Unit is unplugged.						
4x1	Defrost duration (mins)				5 - 60	20
4x2	Defrost pattern	0 1 - 6 7 8	No defrosts. Number of equally spaced daily defrosts. 3 defrosts per day, but the 3rd is missing. 4 defrosts per day, but the 4th is missing.		0 - 8	4
4x3	Forced defrost	OFF Fd.on	No forced defrost Forced defrost on		0 - 1	
4x4	Forced refrigeration	OFF Fr.on	No forced refrig. Forced refrig. on		0 - 1	
4x5	Defrost mode	0 deF dr.dn F.dEF F.rEF FAIL d.inh	Refrig. Defrost Drain down Forced defrost Forced refrig. Defrost interface fail Defrost inhibited			
4x6	Drain down duration				0 - 15	5
4x7	Compressor group associated with this defrost system	0 = 0 1 = Lt.C 2 = Ht.C 3 = Sat.C	No association Lt compressor group Ht compressor group Satellite compressor group		up to v0.00.7 0 - 3	0
					from v0.00.8 0	0
4x8	No of evaporators on this defrost system	0 1 - 10	Defrost terminated on time only. JTL units terminate defrost on temp. and inform pack.		0 - 10	0
4x9	No of JTL-controlled evaporators terminated					

JTL COMPRESSOR PACK ITEM NUMBERS — EPLT

ITEM	DESCRIPTION	CODE	CODE MEANING	FACTORY DEFAULT	RANGE	ITEM 9 VALUE
	10. DISPLAY FUNCTIONS					
177	JTL numbering on systems on defrost display Note: Depends on unit no setting on item 1.	oFF J.no	System no. range 1- 28 System no. range x01 - x28		0 - 1	oFF
179	Pressure display unit choice	1 PSI 2 bAr 3 PASC	p.s.i. bar kPa		1 - 3	PSI
	11. 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				up to v0.008 1992 - 2022 v0.00.9 on 2004 - 2034	
18	Daylight saving enable	Stnd dAY.S	Standard time Daylight saving time		0 - 1	Stnd
	12. RESTORE FACTORY DEFAULTS					
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 1066	Load default settings Write to NVRAM immediately			
	13. RESTORE PARAMETERS FROM NETWORK (from v0.01.3) 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	

ITEM	DESCRIPTION	CODE	CODE MEANING	FACTORY DEFAULT	RANGE	ITEM 9 VALUE
		14. SYSTEM ALARMS				
80	Group alarm 81 - 88	0 1 - 255	No alarms Check 81 - 88			
81	High LT suction pressure	CLr Hi.Lt	No fault Fault			
82	High HT suction pressure	CLr Hi.Ht	No fault Fault			
83	High discharge pressure	CLr Hi.dP	No fault Fault			
84	High Satellite suction pressure	CLr Hi.St	No fault Fault			
85	Low liquid level	CLr Lo.Li	No fault Fault			
88	Condenser fault	CLr Fn.Ft	No fault Fault			
90	Group alarm 91 - 98	0 1 - 255	No alarms Check 91 - 98			
91	Pressure transducer fault	CLr Pt.Ft	No fault Fault			
92	Temperature sensor fault	CLr th.Ft	No fault Fault			
93	Thermistor excitation voltage (Mk1 assembles only)	CLr PS.Ft	No fault Fault			
94	Low suction superheat	CLr Lo.Sh	No fault Fault			
96	Compressor interface card fault	CLr CP.F	No fault Fault			
97	Compressor fault OR Auto input not present	CLr CPr.F	No fault Fault			
900	Group alarm 901 - 908 (v0.01.1 on)	0 1 - 255	No alarms Check 901 - 908			
901	Compressor 1 fault (v0.01.1 on)	CLr C1.F	No fault fault			
902	Compressor 2 fault (v0.01.1 on)	CLr C2.F	No fault fault			
903	Compressor 3 fault (v0.01.1 on)	CLr C3.F	No fault fault			
904	Compressor 4 fault (v0.01.1 on)	CLr C4.F	No fault fault			
905	Compressor 5 fault (v0.01.1 on)	CLr C5.F	No fault fault			
906	Compressor 6 fault (v0.01.1 on)	CLr C6.F	No fault fault			
907	Compressor 7 fault (v0.01.1 on)	CLr C7.F	No fault fault			
908	Compressor 8 fault (v0.01.1 on)	CLr C8.F	No fault fault			

JTL COMPRESSOR PACK ITEM NUMBERS						EPLT
ITEM	**DESCRIPTION**	**CODE**	**CODE MEANING**	**FACTORY DEFAULT**	**RANGE**	**ITEM 9 VALUE**
910	Group alarm 901 - 908 (v0.01.1 on)	0 1 - 255	No alarms Check 910 - 918			
911	Compressor 9 fault (v0.01.1 on)	CLr C9.F	No fault fault			
912	Compressor 10 fault (v0.01.1 on)	CLr C10.F	No fault fault			
915	Auto input not present (PLANT FAULT) (v0.01.1 on)	CLr P.Flt	No fault fault			
916	low liquid differential pressure (v0.01.1 on)	CLr Lo.L.P	No fault fault			
15. DIAGNOSTIC & TEST FUNCTIONS						
6	Communications speed	4.8 38.4	Kilo baud rate Kilo baud rate			
7	Communications method	HALF	2 wire			
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 setting		Unused			
89	Thermistor excitation value (Factory test)		Not used			
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)	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			

JTL COMPRESSOR PACK ITEM NUMBERS					EPLT	
ITEM	**DESCRIPTION**	**CODE**	**CODE MEANING**	**FACTORY DEFAULT**	**RANGE**	**ITEM 9 VALUE**
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	EPLT
NORMAL DISPLAY	
999.9	Pressure in psi
--	Not selected
ALARM TEXT (in descending priority order)	
P.FLd	Plant failed
Hi.dP	High discharge pressure
Hi.Lt	High LT suction pressure
Hi.Ht	High HT suction pressure
Hi.St	High satellite suction pressure
rEF.L	Low level liquid
Lo.Sh	Low suction superheat
CPr	Compressor fault
FAn	Condenser fan problem
OTHER TEXT	
JTL	Start-up text
Lt	LT suction pressure follows this text
Ht	HT suction pressure follows this text
SAt	Satellite suction pressure follows this text