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| 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 | | | | | | |
| <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. Pressures are averaged over last hour (the average is updated every 4 minutes)</p> | | | | | | |
| 179 | Pressure display unit choice | 1 2 3 | PSI bAr PASC | p.s.i. bar kPa | | 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 1 2 3 4 5 6 7 | nonE 22 502 404 407A 407B 507 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) | | | | | | |
| 899 | Outside temperature (from broadcast v0.01.3 on) | | | | | | |

| JTL COMPRESSOR PACK ITEM NUMBERS | | | | | EPLT | |
|---|--|--------------|-----------------------|-----------------|-------------|--------------|
| ITEM | DESCRIPTION | CODE | CODE MEANING | FACTORY DEFAULT | RANGE | ITEM 9 VALUE |
| 4. SUCTION PRESSURE CONTROL | | | | | | |
| <p>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.</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 |
| 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 step (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 | 40 |
| | | | | | 15 - 60 | |
| | | | | | from v0.01.0 | |
| | | | | | 15 - 70 | |
| 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 |
| 351-360 | Average number of starts per hour last 24 hours (351 for compressor 1 etc) | | | | | |

| JTL COMPRESSOR PACK ITEM NUMBERS | | | | | EPLT | |
|--|--|------------------|--------------------------------|--|-----------|---------------|
| ITEM | DESCRIPTION | CODE | CODE MEANING | FACTORY DEFAULT | RANGE | ITEM 9 VALUE |
| 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 1 | CELS 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 2 3 4 | A.LOG CS-A CS-b 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 | | | | |
| | | 1 - 25 | | | | |
| | | from v0.00.3 | | | | |
| | | 5 - 50 | | | | |
| 64 | Condenser control time constant | | | | 1 - 250 | 30 |
| 65 | Discharge pressure to reduce capacity | | | | 140 - 320 | 300 |

| JTL COMPRESSOR PACK ITEM NUMBERS | | | | | EPLT | |
|---|--|--|---|-----------------|---|--------------|
| ITEM | DESCRIPTION | CODE | CODE MEANING | FACTORY DEFAULT | RANGE | ITEM 9 VALUE |
| 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 nighttime 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 | |
| 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 | Output status interface 1 (v0.00.8 on) | 1 1 - 2 | Input/output 1 on 1 & 2 on | | | |
| 388 | Output status interface 2 (v0.00.8 on) | 1 - 3 1 - 4 | 1, 2 & 3 on 1, 2, 3 & 4 on | | | |
| 396 | Input status interface 1 | 1 - 5 1 - 6 | 1, 2, 3, 4 & 5 on 1, 2, 3, 4, 5 & 6 on | | | |
| 387 | Input status interface 2 (v0.00.8 on) | 1 - 7 1.7 1 - 2.7 1 - 3.7 1 - 4.7 1 - 5.7 | 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) | | | | | |

| JTL COMPRESSOR PACK ITEM NUMBERS | | | | | EPLT | |
|----------------------------------|---|----------------------------|--|-----------------|----------|--------------|
| ITEM | DESCRIPTION | CODE | CODE MEANING | FACTORY DEFAULT | RANGE | ITEM 9 VALUE |
| 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 | | | |
| 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 |

| JTL COMPRESSOR PACK ITEM NUMBERS | | | | | EPLT | |
|--|------------------------------------|--------|--------------|-----------------|---------------|--------------|
| ITEM | DESCRIPTION | CODE | CODE MEANING | FACTORY DEFAULT | RANGE | ITEM 9 VALUE |
| 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 | Start time for first daily defrost | SYSTEM | | | 00:00 - 23:59 | TIME |
| 420 | | 1 | | | | 08:00 |
| 430 | | 2 | | | | 08:30 |
| 440 | | 3 | | | | 09:00 |
| 450 | | 4 | | | | 09:30 |
| 460 | | 5 | | | | 10:00 |
| 470 | | 6 | | | | 10:30 |
| 480 | | 7 | | | | 11:00 |
| 490 | | 8 | | | | 11:30 |
| 500 | | 9 | | | | 12:00 |
| 510 | | 10 | | | | 12:30 |
| 520 | | 11 | | | | 13:00 |
| 530 | | 12 | | | | 13:30 |
| 540 | | 13 | | | | 08:15 |
| 550 | | 14 | | | | 08:45 |
| 560 | | 15 | | | | 09:15 |
| 570 | | 16 | | | | 09:45 |
| 580 | | 17 | | | | 10:15 |
| 590 | | 18 | | | | 10:45 |
| 600 | | 19 | | | | 11:15 |
| 610 | | 20 | | | | 11:45 |
| 620 | | 21 | | | | 12:15 |
| 630 | | 22 | | | | 12:45 |
| 640 | | 23 | | | | 13:15 |
| 650 | | 24 | | | | 13:45 |
| 660 | | 25 | | | | 08:00 |
| 670 | | 26 | | | | 09:00 |
| 680 | | 27 | | | | 10:00 |
| | 28 | | | 11:00 | | |

| JTL COMPRESSOR PACK ITEM NUMBERS | | | | | EPLT | |
|---|--|--|--|--|--------|--------------|
| ITEM | DESCRIPTION | CODE | CODE MEANING | FACTORY DEFAULT | RANGE | ITEM 9 VALUE |
| <p>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.</p> | | | | | | |
| 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 1 2 3 | 0 Lt.C Ht.C Sat.C | No association Lt compressor group Ht compressor group Satellite compressor group | | 0 - 3 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 2 3 | PSI bAr 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 dnI.r din.p dnI.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 | |

| JTL COMPRESSOR PACK ITEM NUMBERS | | | | | EPLT | |
|----------------------------------|--|--------------|------------------------------|-----------------|-------|--------------|
| 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 assemblies 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 | | | |
| 910 | Group alarm 901 - 908 (v0.01.1 on) | 0 1 - 255 | No alarms Check 910 - 918 | | | |

| JTL COMPRESSOR PACK ITEM NUMBERS | | | | | EPLT | |
|--|--|-------------------------------|---------------------------------------|-----------------|-------|--------------|
| ITEM | DESCRIPTION | CODE | CODE MEANING | FACTORY DEFAULT | RANGE | ITEM 9 VALUE |
| 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 | | | |
| 13 | Stack pointer fault | Clr SP.Ft | No fault Fault | | | |
| 14 | Background loop fault | Clr bL.Ft | No fault Fault | | | |

| JTL COMPRESSOR PACK ITEM NUMBERS | | | | | EPLT | |
|----------------------------------|------------------------|--------------|-------------------|-----------------|-------|--------------|
| ITEM | DESCRIPTION | CODE | CODE MEANING | FACTORY DEFAULT | RANGE | ITEM 9 VALUE |
| 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 | |