

JTL FIRMWARE VARIATIONS		EPLT
VERSION	DESCRIPTION	DATE
v0.00.0	Original issue based on CPLT v0.00.7.	Apr 2002
v0.00.1	Executive call to MU display corrected to prevent occasional "flickering". Display test counter initialised on power up to allow display testing on "virgin" boards. Forced defrost cancelled if maximum number of evaporators exceeded. Factory comms wake up added.	Apr 2002
v0.00.2	Corrects problem in HT and satellite transducers fault detection.	May 2002
v0.00.3	Analogue condenser fan control corrected. Inverter fault alarm added for condenser control. Time constant effect changed by a factor of 8. Compressors that are not selected by the use of item 200 (no of compressors) are reported as "not in use". Mode added on item 20. Item 61 repeats item 391 as the number of condenser stages in both analogue & digital control. Latest libraries used for factory functionality.	Feb 2003
v0.00.4	Display dependency corrected for item 193. Backup setting added for analogue condenser control on item 397. This is activated when the auto (plant failed) input is removed.	Mar 2003
v0.00.5	Fixes problems in v0.00.3/4 where firmware locks up on high LT suction pressure. Mode display operation on item 20 on the MU corrected.	Mar 2003
v0.00.6	Fixes problem with backup setting on analogue output in non-auto operation item 397.	Mar 2003
v0.00.7	Jnet awake enhanced. JTL site number broadcast. Hardware tests fully controllable by network communications.	Aug 2004
v0.00.8	Enhanced condenser fan sequencing added using new selection on item 394. Items 387 - 389 added to show actual input & output status of condenser interface units.	Nov 2004
v0.00.9	Start of time now 1 st Jan 2004. Compressor output status added on items 111-118 to enable remote terminals to display useful information with compressor input/ output configuration use. Low suction pressure safety shutdown introduced on items 195 - 198. Compressor / condenser display operation corrected. Compressor fault repeat alarm feature added using item 158. No of defrost systems present (item 400) suppressed when pack trips to manual and defrost control is not enabled in Manual condition. This enables the network controller to make the correct decision in this condition.	Apr 2008
v0.01.0	HT pressure range upper limit raised to 70psi	June 2010
v0.01.1	Plant zone communications amended to allow 2 wire operation by connecting TX & RX pairs together. Interface baud rate programmable on item 909 for use with new IF3x modules. Night time setback added for condenser fan speed control using items 368 & 369. Discharge pressure safety unload timer initialised to 5 secs instead of 60 secs. Code split to separate inverter driver from compressor driver. Condenser code split to allow separate condenser driver. Plant zone communications driver upgraded. Plant zone communications glytch removal added. Plant zone wiring implicit in baud rate. 600 baud = 4 wire. All other speeds = 2 wire. Condenser inverter output relay status added. Mk2 2 pcb build option added.	June 2010
v0.01.2	Upgraded code - no functional changes or error corrections.	July 2010

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v0.01.3	Temperature and humidity broadcast data added on Items 896 - 899. Plant zone baud rate fixed at 600 baud. Floating discharge condenser control added. Restore parameters data from the network facility added. Outside temperature broadcast receive added. Refrigerant type R408 added. Refrigerant tables for R22 & R502 removed. R407B table adjusted for "dew" values.	July 2011
v0.01.4	Output relay code amended to prevent intermittent spurious operation of network communications.	Nov 2011
v0.01.5	Pressure data dependent on transducer selection and fault status. Compressor control data available in manual mode.	Nov 2011
v0.01.6	Plant zone speed that was fixed at 600 baud from v0.01.3 reinstated as v0.01.1	May 2015