

JTL FIRMWARE VARIATIONS		EP6U (EP6HD)
VERSION	DESCRIPTION	DATE
v0.00.0	Original issue. Based on CP5H v0.00.8. Forced defrost cancelled if maximum number of evaporators exceeded. Factory comms wake up added.	Apr 2002
v0.00.1	Legacy display selection option reinstated on item 139. NOTE: This option is not operational.	Sept 2002
v0.00.2	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. 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
v0.00.3	EP6HD introduced for discharge pressure transducers range 0 - 500 psi. Changes to Factory Settings invokes read of factory data by network controller. Jnet awake enhanced. JTL site number broadcast. Hardware tests fully controllable by network communications.	Dec 2003
v0.00.4	Defrost time schedule control error introduced in v0.00.3 corrected. Standard functions for hardware testing enhanced for input testing. Display of mode data on network corrected. Error introduced in v0.00.3.	Jan 2004
v0.00.5	Broadcast allowed while MU plugged in. LT pressure display error on item 21 corrected.	Aug 2004
v0.00.6	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.	Apr 2005
v0.00.7	LED1 display choice removed (item 139). Latest library software used. Compressor control module split into application and driver modules (no functional changes). Start of time 1 st January 2004.	Oct 2008
v0.00.8	Low suction pressure safely 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. 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 glitch 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
v0.00.9	Error introduced in v0.00.8 in compressor output driver corrected	July 2010

JTL FIRMWARE VARIATIONS		EP6U (EP6HD)
VERSION	DESCRIPTION	DATE
v0.01.0	Refrigerant type added on Item 157. Temperature and humidity broadcast data added on Items 896 - 899. Plant zone baud rate fixed at 600 baud. Variable speed compressor added as an 11 th compressor. Floating discharge condenser control added. Restore parameters data from the network facility added.	June 2011
v0.01.1	Outside temperature broadcast receive error corrected. Inverter control error corrected. Refrigerant type R408 added. Minor adjustments to refrigerant tables at high temperatures for R422A and R422D. R407B table adjusted for "dew" values.	July 2011
v0.01.2	Inverter speed gain range increased for 5-50 to 1-250. Download parameter fail status error corrected. Compressor 1 operation corrected when inverter enabled.	Aug 2011
v0.01.3	Output relay code amended to prevent intermittent spurious operation of network communications. Pressure data dependent on transducer selection and fault status. Compressor control data available in manual mode.	Nov 2011