JTL FIRMWARE VARIATIONS		UAPA
VERSION	**DESCRIPTION**	**DATE**
v0.00.0	Production issue	May 2012
v0.00.1	ADC readings added items 560-568 PREDICT 3 volatility calculations amended to allow higher volatility conditions and time between defrosts beyond 64 hours. Password of the day uses daylight time. Minor adjustment to graph interpolation routine. Network plant fault function enhanced to operate with real time defrost strategy. Defrost timer initialisation amended for shut down and fans only operation. Item 134 extended to enable network plant fault to inhibit defrost as well as refrigeration.	Aug 2012
v0.00.2	Unused lighting override input removed to allow lighting commands to work.	Aug 2012
v0.00.3	Termination temperature operation errors corrected. Now depends on HGD/well operation (item 500) not being selected.	Sept 2012
v0.00.4	Trim heater output enabled.	Sept 2012
v0.00.5	Disable temperature warning multicast added. Parameter updated only set when there is a definite change of data. Comms protocol level raised to 5 Standard log data items 930 to 946 added. Comms data for air sensor HGD cabinet error corrected. Error introduced in v0.00.4. Mu dependencies corrected for items 550-553. Multicast error for pack groups 1-8 corrected. Multicast error for HGD cabinet corrected. Pic identification and version no added. Trim heater error in network and non-trading selection corrected. Load shedding control added on item 600-607 with status on 609. Global plant data broadcast added. Zone number broadcast added. Alarm temperature uses primary set point when on load shedding set point. Control of fans on inhibit defrost corrected. Mode status setting corrected for unit shutdown and fans only conditions. Lights off text corrected on MU. Fan control during defrost extended to include cycling on termination temperature. Fan control after defrost added to include cycling and termination temperature with time override using item 153. Flag bit display graphic type added. Liquid valve drives display "square". Display symbol memory initialized on power up. Display back light control added. Trim heater load shedding % added on item 396. Defrost time data suppressed on MU and communications when data is invalid. Time shutdown facility added using items 238 & 239 Start address for PROM check sum redefined. Phoenix emulation added. End address for PROM checksum corrected. Signed binary word data type with application subroutine call added. Latest polling time uses this new data type. Special cases added for initial power up (1st minute) in both Phoenix and non Phoenix modes. Call to write to NVRAM added on default write of unit nos and factory settings. Unsafe data timer initial value extended to 120 sec. Temperature difference items such as superheat, deadband, etc display on MU in Fahrenheit corrected. Subtype number switching changed to operate on current superheat control strategy. Lights off broadcast control added. Start of time moved to Jan 1st 2012. Fan run during defrost added to item 108. Dependency changed on item 112 suppress when not used.	Aug 2015
v0.00.6	Unused lighting override removed. Unused manual lights on/off function removed. Missing second unit number added for HGD use. This also corrects parameter download operation.	Jan 2016