JTL FIRMWARE VARIATIONS		UAPJ
VERSION	DESCRIPTION	DATE
v0.00.0	Development release.	Mar 2012
v0.00.1	Open & shut circuit sensor fault information add. Processor TRAP fault operation changed Intermediate and low temperatures added. Items 133-135 no longer dependent on network initiated defrost. ADC readings added items 560-568 PREDICT 3 added. 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. PEV pulse width modulation code improved. Air off sensor 1 alarm no longer set on faulty sensor. Item 134 extended to enable network plant fault to inhibit defrost as well as refrigeration. Lighting override input removed. Termination temperature operation errors corrected. Now depends on HGD/well operation (item 500) not being selected. Trim heater output enabled. Transcritical CO2 operation added Transducer zero offset range increased to +/- 15 psi. 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. PIC identification and version no added. 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. Fan control during defrost extended to include cycling on termination temperature. Fan run during defrost added to item 108 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. End address for PROM checksum corrected. Phoenix emulation added. 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. Broadcast pressure received on item 81. Dependency on item 155 changed to pressure reading ok. Pressure reading ok replaces pressure transducer ok on fault operation. Current superheat measurement method shown on 197. Current superheat control strategy shown are in 279. 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. Start of time moved to Jan 1st 2012 Lights off broadcast control. Dependencies changed on items 112, 162 and 186 to suppress them when not used. Refrigerants R290, R407C, R407F, R448A and R449A added. Under temperature tolerance added. Energy saving sensor removed. Distribution panel number added. Electric circuit number increased to 31. Factory defaults changed to SUCCEEDS. Factory defaults changed to optimised air off control. Factory defaults changed to co-ordinated defrost with fixed schedule backup.	Sept 2015