

JTL FIRMWARE VARIATIONS		CL110 CL120
VERSION	DESCRIPTION	DATE
v0.00.0	Production issue	Oct 2013
v0.00.1	Number of stages unloaded replaces number of stages loaded on item 201 Outputs energised to unload. Range error corrected for stage current. Defaults for stage data changed. Number of stages with potential to unload added on item 185	Feb 2014
v0.00.2	Enhanced to use network licencing. Timed demand reduction added. Load shedding function selectable. Data dependencies enhanced. Dual subtype added for energy monitoring only use with network. Display backlight control added. Alarms suppressed when load shedding not enabled.	Jan 2015
v0.00.3	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 (1 st 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. Start of time moved to Jan 1 st 2012	July 2015
v0.00.4	Power units input from meter are now in VA and W not kVA and kW. Output remains in kVA and kW.	Sept 2015
v0.00.5	CL120 introduced for new hardware build. Phoenix code amended to Phoenix 3 for Jnet use. Phoenix and PIC data added on comms and Maintenance Unit. Alarm item nos from 900 moved to 800 to avoid future communication conflict issues.	Sept 2016
v0.00.6	Meter fault added. Modbus comms delay timers added	Sept 2016
v0.00.7	Setpoint unsafe checked before automatic stage control run. Stage output initialization changed to ignore interface setup parameters. Modbus communications suspended during parameter setup. Modbus retry timer included when there is a modbus error reply. Scaling corrected on item 408 on mu. IEEE encoding receiver test registers added.	Nov 2016