

JTL FIRMWARE VARIATIONS		LAPA
VERSION	DESCRIPTION	DATE
v0.00.0	Production issue	July 2005
v0.00.1	Defrost co-ordinator operation corrected. Time since start of last defrost added on item 224 to allow time delay at start of co-ordinated defrost to be reduced. "Exclude from optimization" error corrected.	Jun 2007
v0.00.2	Defrost termination time allowed up to 59 mins for frozen food. Cabinet temperature calculation changed when both air off and evaporator sensors are faulty. Now set to air on temperature in the event of a high temperature in this fault condition a temperature alarm is more likely to be given. Error in Multicast handling corrected. Calculation of time since start of last defrost corrected. Lockup condition which can theoretically occur if network defrost initiation during defrost recovery removed. Forced defrost requirement no (DRN) now cleared on defrost to be consistent with normal DRN operator. Site absolute humidity display added on item 246. No of defrosts a day allow up to 12.	Nov 2007
v0.00.3	Service log error introduced in v0.00.2 corrected.	Mar 2008
v0.00.4	Control temperature can be selected as air off or cabinet on item 275. No cooling mode added. Time delay added for all sensors faulty alarm. Broadcast timers and Multicast data supported. Lighting control will operate by Multicast operation when available on site.	May 2009
v0.00.5	Communications debug feature added on item 967 to display latest unit polled zone. Site humidity broadcast received. Virtual bitswitch operation added on item 966. Plant data format extended to 13 bit word from 8 bit byte. Circuit number range for plant data increased from 7 to 15 Electrical distribution number added for plant data on item 210 Phase colour info on MU amended. Error in comms depending on item 208 corrected. Parameters download facility added using items 963-965 & 959. MU in use override facility added. Multicast and broadcast flags suppressed from MU when not in use. Co-ordinated defrost request inhibited during defrost recovery. Network latency used to adjust co-ordinated defrost request.	July 2011
v0.00.6	Predict operation disabled when pipe sensor readings are faulty. In this situation the defrost initiation defaults to co-ordinated. Network latency calculations adjusted to improve accuracy. Benign error in MU plugged in protocol corrected. Download parameter fail status error corrected.	Oct 2011
v0.00.7	Distribution panels reduced to maximum of 7. Electrical circuits increased to maximum of 31.	Dec 2011