JTL FIRMWARE VARIATIONS		LAPN
VERSION	**DESCRIPTION**	**DATE**
v0.00.0	Initial issue **FOR DEVELOPMENT PURPOSES ONLY**	Apr 2002
v0.00.3	Production issue. Renamed LAPN	Dec 2003
v0.00.4	Support for legacy displays (LCD1-7) discontinued (item 129). Individual air off temperature errors visible on items 431 - 3. Air off alarm averaging on item 27 made operational for display purposes. Operation of defrost recovery corrected. Item 422 shows air off 1 data not processed data. Broadcasting allowed when MU in use. Display switch data for network report pages corrected.	Nov 2004
v0.00.5	Absolute humidity broadcast data added on item 246. Site temperature and relative humidity broadcast data operation amended. Trim heater control added. Start of time now Jan 2004.	Jan 2006
v0.00.6	Support for legacy displays (LCD1-7) reintroduced (item 129)	Apr 2007
v0.00.7	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.	June 2007
v0.00.8	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.	Aug 2007
v0.00.9	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
v0.01.0	Service log error introduced in v0.00.9 corrected.	May 2008
v0.01.1	Humidity broadcast receive enabled. 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. Communications debug feature added on item 967 to display latest unit polled zone. 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
v0.01.2	Predict operation disabled when 2 temperature superheat is not operational. 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. Distribution panels reduced to maximum of 7. Electrical circuits increased to maximum of 31.	Dec 2011