

JTL FIRMWARE VARIATIONS		LACN
VERSION	DESCRIPTION	DATE
v0.00.0	Original Issue	May 2004
v0.00.1	Man trapped alarm added. Input 2 selection function added on item 138. Input 2 status moved from item 71 to 139. Defrost recovery operation corrected. Invert plant alarm input, Item 66, added. Was missing from v0.00.0 Plant alarm input operation corrected.	Dec 2004
v0.00.2	Coldroom temperature alarm strategy changed to work on air off and pipe sensors as necessary when sensor faulty. Alarm strategy now follows control strategy. Coldroom temperature now displayed on item 20 separately from air on temperature on item 21.	Apr 2005
v0.00.3	Start of time now 1 st Jan 2004. Defrost co-ordination present timer operation corrected. Exclude from optimisation error corrected. Absolute humidity broadcast data added on item 246. Time since start of last defrost added.	June 2007
v0.00.4	Calculation of time since start of last defrost corrected. Forced defrost requirement now handled as standard defrost requirement. Theoretical potential lockup prevented when network defrost command occurs during defrost recovery.	Nov 2007
v0.00.5	Display choice added on item 129 to allow use of backlit LCD display. Deadband control added on item 140. Choice of control on air off or air on temperature added item 275. No cooling mode added. Supports broadcast and multicast timer options.	July 2009
v0.00.6	Real time defrost choice added for electric and off cycle defrost on each defrost time. 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 959 and 963-965 MU in use override facility added. Multicast and broadcast flags suppressed from MU when not in use.	June 2011
v0.00.7	Fan control selection allows fans to run during off cycle defrost. Co-ordinated defrost request inhibited during defrost recovery. Network latency used to adjust co-ordinated defrost request.	July 2011
v0.00.8	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