

| JTL FIRMWARE VARIATIONS |  | LACT      |
|-------------------------|--|-----------|
| VERSION                 | DESCRIPTION  | DATE      |
| v0.00.0                 | Original issue.  | Jan 2007  |
| v0.00.1                 | When no termination sensors operational do max length defrost.<br>Temperature alarm averaging frozen during defrost.<br>No of evaporators added on item 76.  | June 2007 |
| v0.00.2                 | Time since start of defrost added on item 224.<br>Calculation of time since start of last defrost corrected.<br>Defrost coordinator present timer operation corrected.<br>Exclude from optimisation error corrected.<br>Forced defrost requirement now handled as standard defrost requirement.  | Nov 2007  |
| v0.00.3                 | Backlit LCD display option added on item 129.<br>Control temperature choice added on item 275.<br>Error in deadband operation corrected.   | Oct 2008  |
| v0.00.4                 | Real time defrost choice added for electric and off cycle defrosts on each defrost time.   | May 2010  |
| v0.00.5                 | Communications debug feature added on item 967 to display latest unit polled zone.<br>Virtual bitswitch operation added on item 966.<br>Plant data format extended to 13 bit word from 8 bit byte.<br>Circuit number range for plant data increased from 7 to 15<br>Electrical distribution number added for plant data on item 210<br>Phase colour info on MU amended.<br>Error in comms depending on item 208 corrected.<br>Parameters download facility added using items 963-965 & 959.<br>MU in use override facility added.<br>Multicast and broadcast flags suppressed from MU when not in use.<br>Fans off during electric defrost selection added.<br>Co-ordinated defrost request inhibited during defrost recovery.<br>Network latency used to adjust co-ordinated defrost request. | July 2011 |
| v0.00.6                 | Network latency calculations adjusted to improve accuracy.<br>Benign error in MU plugged in protocol corrected.  | Sept 2011 |
| v0.00.7                 | Distribution panels reduced to maximum of 7.<br>Electrical circuits increased to maximum of 31.  | Dec 2011  |
| v0.00.8                 | Control strategy enhanced to use the coldroom sensor when the air on sensor is deselected or faulty.   | Apr 2016  |