JTL FIRMWARE VARIATIONS		SDPN
VERSION	**DESCRIPTION**	**DATE**
v0.00.0	Original issue.	Aug 2001
V0.00.1	Air off alarm cancelled when no air off sensors selected. Defrost recovery period now lasts for full allowed duration, but when temperature is low enough (as before) dEF is suppressed on display. Site number recorded. Circuit 0 not allowed on electric defrost data. Unit number range changed to 0.1 to 899.8 Time delay added on detection of defrost scheduler fault before action to override is taken. Item 412 added to show current defrost strategy in operation. Items 411 & 413 repeat items 107 & 144 for convenience. Temperatures added on items 421 - 425 for test purposes. Note, these temperatures are NOT dependant on sensor selections. Jnet communications level upgraded to 2. Changes to factory settings invokes read of factory data by network controller. Jnet awake enhanced. JTL site number broadcast. Hardware tests fully controllable by network communications. Item 214 (414) enhanced to add gas & off cycle defrosts. Coordinated defrost strategy added. Sub type number changed. Evaporator & suction sensor selection added as option to replace air off 2 & 3. Available when air off 2 & 3 are not selected. Text changed for defrost scheduler fault on item 135. Text changed on item 213. Broadcasts not inhibited by MU.	Feb 2004
v0.00.2	Spurious air off sensor and suction line sensor fault errors removed.	May 2004
v0.00.3	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 from changes made in v0.00.1.	Nov 2004
v0.00.4	Legacy support added to allow SDPN to functionally replace EC products. This is implemented by adding the following items: 58 Defrost initiation temperature (suction line) 75 Defrost relay mode selection 68 Defrost relay type selection 102 Temperature sensor choice 129 Display choice Dual speed network communications support added (600 & 4800 baud). Defrost recovery on display operation corrected.	Jan 2005
v0.00.5	Time starts at 1/1/2004. 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
v0.00.6	Time since start of last defrost. 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. Circuit no error on comms corrected. Cabinet temperature calculation changed when both air off and evaporators sensors faulty. Display shows air on temperature in this condition. Error in Multicast handling corrected. Site absolute humidity added on item 246.	Nov 2007
v0.00.7	Service log error introduced in v0.00.6 corrected.	Mar 2008

JTL FIRMWARE VARIATIONS		SDPN
VERSION	**DESCRIPTION**	**DATE**
v0.00.8	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 bit switch 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. Parameters download facility added using items 963-965 & 959. MU in use override facility added. Co-ordinated defrost request inhibited during defrost recovery. Network latency used to adjust co-ordinated defrost request. Item 45 added to allow download parameter for legacy replacement operation. Error in ice cream defaults corrected. Air off sensor selection default changed to 1 sensor. Display selection default changed to Lcd 1 for legacy replacement use.	July 2011