

JTL FIRMWARE VARIATIONS		IF34/IF35 IF36
VERSION	DESCRIPTION	DATE
v0.00.0	Original issue.	Nov 2009
v1.00.1	Default value comms speed changed to 9600. IO expander control registers reasserted periodically. On and off control thresholds introduced for secondary relay on each channel.	Apr 2010
v1.00.2	Migrate to PIC16F886 using internal 8MHz oscillator.	Jan 2011
v1.00.3	Add non-minimum value default capatibility for items. Add text support to MU choosers. Add bit pattern data type for visual representation of inputs and outputs on MU EE memory handling enhanced.	June 2013
v1.00.4	Addition of Modbus RTU protocol. Correction on Modbus ASCII protocol to report type/subtype information correctly. Correction to Modbus timing to prevent memory corruption on message over run errors.	June 2013
v1.00.5	Improve Modbus handlers to report exception codes properly. Code 3 (Illegal Data Value) now used. Code 1 (Illegal Function) is used when MU in use and attempt is made via serial port to set a non-volatile (EE stored) item. Parity error detection corrected in Modbus RTU protocol.	Nov 2013
v1.00.6	Improve Modbus RTU protocol timing in interrupt handler. Add bit pattern segment representation on items 71, 72, 73, 100 for inputs and outputs. First issued version of IF36.	Feb 2015