

JTL FIRMWARE VARIATIONS		HP150
VERSION	DESCRIPTION	DATE
v0.00.0	Original issue	Jun 2014
v0.00.1	<p>Output range now in 0.1% intervals. Display error corrected. Start address for PROM check sum redefined. End address for PROM checksum corrected. Special cases added for initial power up (1st minute) in both Phoenix and non Phoenix modes. Call to write NVRAM added on default write of unit nos and factory settings. Unsafe data timer initial value extended to 120 sec. Temperature difference items such as superheat, deadband, etc display on MU in Fahrenheit corrected. Start of time moved to Jan 1st 2012 Manual mode presentation added. PI terms separated for subcritical and transcritical operation. Time constant scaling changed. Integrals initialized in Manual mode. Phoenix capability added for capability and fixture use. Not operational with current hardware. Number of alarm errors corrected.</p>	Aug 2015
v0.00.2	Pressure setpoint and level ranges and defaults modified.	Mar 2016
v0.00.3	<p>In subcritical mode the cooler pressure is controlled by the transcritical valve and the cooler exit subcooling by the cooler fans. Some ranges and defaults associated with transcritical operation changed. Output smoothing added.</p>	Aug 2016