

Honeywell vs. HydroStat Aquastat Controllers

Honeywell Functions

- EnviraCOM™ communications enabled.
- Diagnostic LED, +/- 2°F accuracy and faster response times.
- Easy installation with multiple knockouts, multizone control.
- Adjustable high and low limit differential, high limit only or high plus low limit all in one.



Feature	HydroStat 3150	L7224U	Comments
Troubleshooting method	Status LEDs lights & follow flow chart	3 segment LEDs provide error codes from 1 to 8	L7224U provide simplified & more in-depth diagnostic troubleshooting. Improve service call efficiency
Performance	Not known	+/- 2°F accuracy	
Low water cut-off	Available	Not available	Useful only when reqd. by local authorities
Service fuse	None	One fuse on 24Vac	Saves common control failure when transformer is over-loaded
Temperature & differential setting	Small dial type knobs & small potentiometers (small screwdriver reqd.) on the circuit board	Three elevated key pads	Up & Down key pads provide regular steps & ease of operation for settings. No touching of circuit board.
Multi-function display	3-digit LED display & 4 status LEDs	3-digit readout with status LED Setting – Precision display readable to 1° Reading – Reads actual sensed boiler temperature Status – Displays boiler status and error codes Output Status – LEDs indicate circ, Zc, burner, thermostat, and communications state	Much deeper information
External Communication	None	EnviraCOM™ enabled	Facilitates accessories such as test tools and future boiler efficiency and optimized zoning
Sensor	Three Thermowell standard; only 24" & 48" remote sense available	Various Thermowells; sensors with 12", 24", 36" & 48" lead lengths remote sensing	Facilitates remote sensing for optimum control when needed