

HYDROSTAT®

Does It All!

*The Universal
Temperature Limit and
Low Water Cut-Off for
Oil and Gas Fired Boilers*



MODEL 3100
for gas-fired boilers

MODEL 3150
for oil-fired boilers

- **Replaces Cold Start and Triple-Action AquaStats***
 - Install HydroStat on existing immersion well – for full temperature functionality, *or*
 - Install HydroStat on an Electro-Well™ – to add low water cut-off protection
- **Simple dial-type temperature and differential settings**
- **Easy to wire – uses the same terminal designations as common Aquastat® models.**
- **Dynamic Temperature Display**
- **Four on-board diagnostic indicating lights**
- **Saves time, materials and wiring**

HydroStat® can be used in two ways.

By installing the control on an existing immersion well, HydroStat® can be used as a universal replacement for common Aquastat® models. Whether it's a cold start or a tankless coil boiler, Hydrostat® will provide all the temperature functions of the control being replaced.

Or, install HydroStat® on a Hydrolevel Electro-Well™ (sold separately) to automatically activate the low water cut-off function. With HydroStat® you can add low water cut-off protection to new or existing installations without the added time and cost to install a separate control.



■ Dial-Type Settings

Allows for quick and easy limit and differential settings.



■ Dynamic Temperature Display

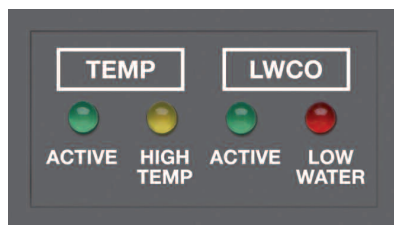


This 3-digit LED display continually indicates boiler temperature. Whenever the high limit, low limit or differential temperature dials are turned, the LED instantly changes to display the setting temperature. For a quick reference, the LED will scroll through the current temperature and differential settings each time the HydroStat® control is powered up.

■ Easy to Wire

HydroStat® uses the same terminal designations as common Aquastat® models. This makes field replacement fast and easy.

■ Four On-Board Diagnostic Indicating Lights



- **TEMP ACTIVE** – Indicates HydroStat® is powered and the temperature function is active.
- **TEMP HIGH TEMP** – Illuminates any time the boiler is off on high temperature limit.
- **LWCO ACTIVE** – Only illuminates when the HydroStat® is providing Low Water Cut-Off functionality. This function is activated by installing the control on a Hydrolevel Electro-Well™. This LED will not illuminate when installed on a standard immersion well.
- **LWCO LOW WATER** – Indicates a low water condition in the boiler.

Electro-Well™

To enable HydroStat's® low water cut-off function, Electro-Well's™ are available in four sizes to replace standard immersion wells. Remote mounting kits are also available.



Specifications

	Model 3100	Model 3150
Input voltage	120 VAC, 60 HZ	120 VAC, 60 HZ
Burner contacts	30 VA@24 VAC	7.4 FLA, 44.4 LRA@120 VAC
Circulator contacts	5.8 FLA, 34.8 LRA@120 VAC	5.8 FLA, 34.8 LRA@120 VAC
Operating range – low limit	Off or 110°F - 200°F	Off or 110°F - 200°F
Operating range – high limit	100°F - 220°F	100°F - 220°F
Operating range – differential	10°F - 30°F	10°F - 30°F



**HYDROLEVEL
COMPANY**

83 WATER STREET • NEW HAVEN, CONNECTICUT 06511
(203) 776-0473 • FAX (203) 773-1019 • TOLL FREE 800-654-0768

www.hydrolevel.com