

# 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

**HYDROLEVEL  
COMPANY**

Innovators in Boiler Protection  
Since 1965

## HydroStat® can be used in two ways.

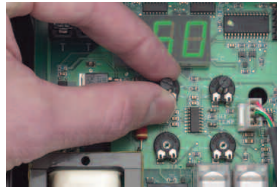
By installing the control on an existing immersion well, HydroStat® can be used as a universal replacement for common Aquastat® models. Whether it's a cold start or a tankless coil boiler, Hydrostat® will provide all the temperature functions of the control being replaced.

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

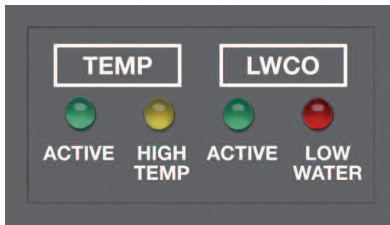


This 3-digit LED display continually indicates boiler temperature. Whenever the high limit, low limit or differential temperature dials are turned, the LED instantly changes to display the setting temperature. For a quick reference, the LED will scroll through the current temperature and differential 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  
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