

SF-1100

# Submittal Data Information

## Probe Style Low Water Cut-Off - Residential Hot Water Boilers

Auto Reset with Burner Circuit Test Button



Supersedes: July 2010

Effective: March 15, 2012

JOB \_\_\_\_\_ ENGINEER \_\_\_\_\_ CONTRACTOR \_\_\_\_\_

Item Number	Model Number	Notes

### Features

- **Low Maintenance** - No moving parts to wear or hang up, as in float devices
- **Compact Size** - Designed to fit in tight spaces.
- **More Probe Plate Space** - Large probe tip puts more conductive surface in the water, leading to more dependable operation and less chance of nuisance boiler shutdowns.
- **Power and Low Water LED Indicators** - Makes troubleshooting fast and easy.
- **Automatic Reset** - Shuts down the burner when water drops below the probe. Automatically restores the burner circuit upon return of a safe water level.
- **Test Button** - Tests control operation without lowering the water level.

### Standard Application

Safgard 1100 Series Controls are used as the primary low water cut-off device on residential hot water boilers.

### Operation

Hydrolevel controls utilize a non-moving, electronic probe to sense liquid levels. The probe can be installed in an equalizing line or directly into a boiler or water tank in accordance with manufacturers' instructions and local and State codes. When water is in contact with the probe, it completes a circuit between the stainless steel probe tip and the tank or boiler surface in which the probe is installed. When water level drops below the probe, the circuit opens. Hydrolevel low water cut-offs for hydronic heating systems use the water signal to allow the burner to operate. If the water level drops below the probe, the circuit opens and the cut-off shuts down the burner.

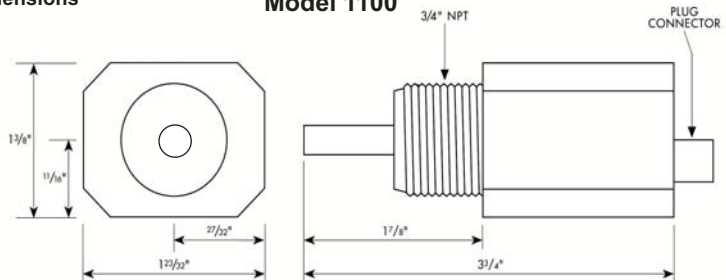
Model	Voltage	Auto Reset	Test Button	ICC Compliant
1100	24VAC	●	●	●
1150	120VAC	●	●	●

MATERIALS OF CONSTRUCTION	
Control Housing	High Temp. PPE
Probe Insulator	High Temp. PPE
Probe Tip	316 Stainless Steel

### Specifications

- Switch Contacts.....SPST
- Input Voltage.....24VAC/60HZ (Model 1100)
- Input Voltage.....120VAC/60HZ (Model 1150)
- Switching Capacity.....50 VA (Model 1100)
- Switching Capacity.....5.8 FLA (Model 1150)
- Power Consumption.....1 VA (Model 1100)
- Power Consumption.....2.6 VA (Model 1150)
- Maximum Pressure.....160 p.s.i.
- Maximum Water Temp.....250°F
- Maximum Ambient Temp.....250°F
- NEMA Classification.....NEMA 1
- Agency Listing.....U.L. 353

### Dimensions



### Model 1150

