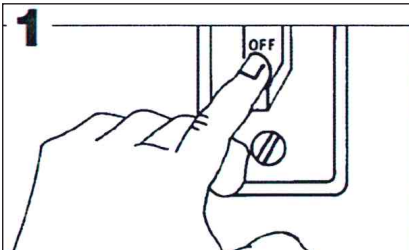


WARNING

Kit must be installed by a qualified service agency in accordance with these instructions and all applicable codes and requirements of authority having jurisdiction. Failure to follow these instructions may cause electrical shock or explosion resulting in personal injury or death.



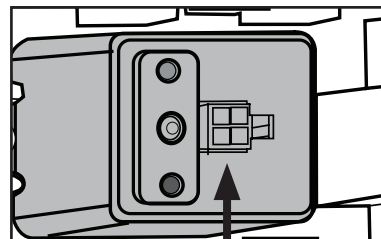
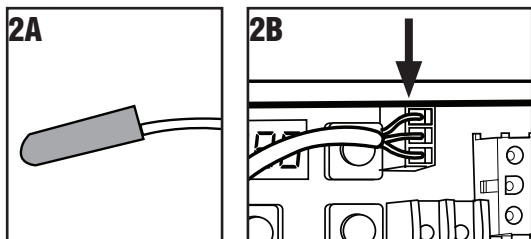
Step 1

WARNING: To prevent electrical shock, or equipment damage, power must be off during installation or servicing of the control. To prevent serious burns, the boiler should be thoroughly cooled before installing or servicing control. Only qualified personnel may install or service the control in accordance with local codes and ordinances. Read instructions completely before proceeding.

Step 2

NOTE: If boiler is not equipped with IDL 1200, skip to step 5

- A. Remove the sensor from the boiler well
- B. Disconnect the sensor wire connector from the ignition control board

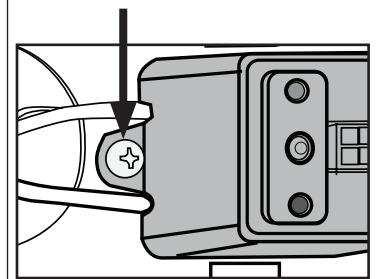


Step 3

Unplug the cable harness from the top of the IDL 1200 low water cutoff

Step 4

- A. Remove the screw that secures the control to the panel.
- B. Remove the control.



Step 5

Install the new control on the panel and secure with the mounting screw.

Step 6

- A. Plug the cable harness into the top of the control (see illustration, step 3)
- B. Plug the sensor wire connector into the ignition control board (see illustration 2B)
- C. Insert the sensor into the boiler well.

NOTE: For accurate readings, the sensor must be inserted all the way into the well.

WARNING

Frozen pipes/water damage: Central heating systems are prone to shut down as a result of power or fuel outages, safety related fault conditions, or equipment failure. Installation of freeze protection monitoring or other precautions is recommended for unattended dwellings in climates subject to sustained below-freezing conditions.

The IDL 1200 Low Water Cut-Off is designed to protect from potentially damaging low water conditions in the boiler. In the event of a low water condition, the “LOW WATER” LED will turn on and the control will shut down the burner.

WARNING

A low water condition is a serious and potentially dangerous condition. In the event the IDL 1200 detects a low water condition, the system must be inspected by a qualified service technician before the boiler is returned to service. Do not attempt to add water to a hot boiler. Allow the boiler to fully cool before adding water.

Operating and Test Procedure for Initial Installation:

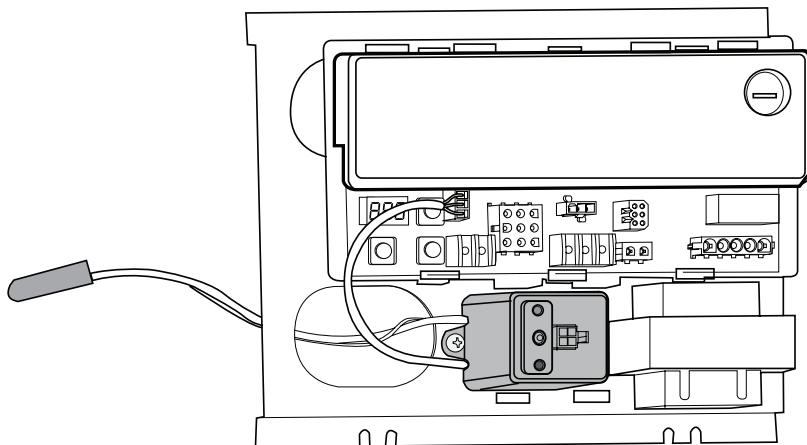
1. Before filling the boiler with water, turn on power to the boiler and set the thermostat to call for heat. Both the green “POWER” LED and amber “LOW WATER” LED should illuminate. The burner should not fire. **WARNING:** If the burner fires with no water at the probe, immediately shut down power to the boiler and contact the factory for assistance.
2. Proceed to fill the boiler with water. When water reaches the sensor for the IDL 1200, the “LOW WATER” LED will turn off and the burner will fire.
3. Turn off the power to the boiler and finish filling the system.
4. Before leaving the job, power up the system and push the “TEST” button on the Model IDL 1200 to simulate a low water condition. The amber “LOW WATER” LED will illuminate and the burner will shut down.

Service & Maintenance:

Check control operation annually by pressing the “TEST” button. The amber “LOW WATER” LED will illuminate and the burner will shut down.

If the “AMBER” LED is On and the boiler is filled with water: The amber “LOW WATER” LED indicates the control is not sensing water in the boiler. If you are certain that the boiler is filled with water, remove the sensor from the well. Make sure that the metal clip is protruding enough to come in contact with the inside of the well tube. Check that the well does not have any heat transfer grease or other contaminants that may interfere with the metal sensor head contacting the well. If this does not resolve the problem, remove the well and examine for excessive residue build-up. Clean as needed and re-install.

If the “AMBER” LED is blinking: If the “LOW WATER” LED is blinking, the IDL1200 is nearing the limit of its water detection range. This can occur as a result of a poor connection between the metal sensor head and the inside of the copper well or as a result of excessive residue build-up on the exterior of the well. To address this situation, follow the steps above under ‘If the Amber LED is On.’



SPECIFICATIONS

VOLTAGE	24 VAC
POWER CONSUMPTION	1 VA
SWITCHING CAPACITY	50 VA
MAX LOAD	5 Amps
MAX PRESSURE	160 PSI (11.25 kg/cm ²)
MAX WATER TEMP	250°F (121°C)
MAX AMBIENT TEMP	170°F (77°C)

