DOMESTIC HOT WATER SENSOR KIT
INSTRUCTIONS FOR CHB-100, CHB-130
Kit #550002958

Kit installation shall be completed by qualified agency.

⚠️ WARNING
Fire, explosion, asphyxiation and electrical shock hazard. Improper installation could result in death or serious injury. Read this instruction and understand all requirements, including requirements of authority having jurisdiction, before beginning installation. Installation not complete until appliance operation verified per Installation, Operation & Maintenance Manual provided with boiler.

Sensor can be used on a standard Indirect Hot Water tank. When it is connected to the boiler, sensor will control Indirect Tank temperature.

1. Follow instructions To TURN OFF GAS TO APPLIANCE found on Operating Instructions label on boiler or in Installation, Operation & Maintenance Manual. Verify all electrical power to boiler is turned off.

⚠️ WARNING
Electrical shock hazard. Turn OFF electrical power supply at service panel.

2. Remove front jacket.

⚠️ WARNING
Burn hazard. Verify heat exchanger has cooled or use appropriate personal protection equipment.

3. Before inserting sensor into Indirect tank well, thoroughly coat sensor with Thermopaste supplied with sensor kit.

4. Slide sensor into well until it bottoms out. See figure 1.

5. Secure sensor wire to well with included clip. See figures 1 and 2.

6. Route sensor wire to boiler low voltage terminal block. Remove the two resistors on terminals 7 & 8 of 8-pin terminal strip, item #155. See figure 4 - wiring diagram.


8. Secure sensor wire.

9. Restore power to boiler. Boiler will automatically recognize the sensor.

Figure 1 - Slide Sensor Into well of Indirect Tank

Figure 2 - Secure Sensor Wire to Well With Clip

Figure 3 - Sensor Wire Secured to Well With Clip


13. Install front cover.

**Figure 4 - Wiring Diagram**

Remove both resistors. Wire sensor to 7 and 8.

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**Figure 5 - Low Voltage Terminal Strip, CHB-130 Shown**

**Figure 6 - Low Voltage Terminal Strip Removed from Boiler, CHB-130 Shown**

<table>
<thead>
<tr>
<th>Temperature Deg F</th>
<th>Resistance in Ohms</th>
</tr>
</thead>
<tbody>
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<tr>
<td>60</td>
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</tr>
<tr>
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<td>11935</td>
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