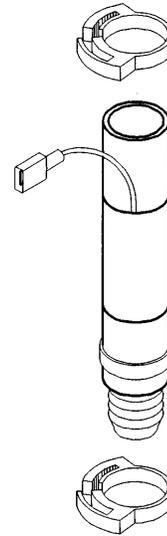
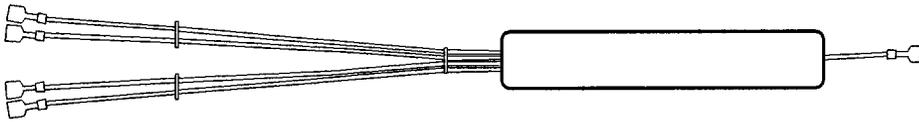


This Replacement Kit, Part Number H-690-0050, replaces previous versions H-690-0089, H-690-0090, H-690-0091, H-690-0092 and H-690-0093.



This kit contains one Circuit Board H-998-8020 (shown above), one Overflow Sensor Tube H-690-1356, and two Hose Clamps H-999-7165 (shown at right).

INSTALLATION PROCEDURE

1. Disconnect all electrical power to humidifier.
2. Remove cover panels from the electrical compartment.
3. Locate the existing overflow sensor circuit board. Typical assembly has a black shrink tube covering a small circuit board with up to six wires.
4. Disconnect the two blue wires from the wiring harness.
5. If there are two red wires from the existing overflow sensor circuit board connected to the underside of the field wiring terminal board disconnect both of them.
6. Disconnect the two wires coming from the black plastic "T" mounted in the overflow hose below the fill cup. Some models may have a red wire connected to the top of the steam cylinder and a red wire connected to the power contactor that also should be removed.
7. Remove the old overflow sensor circuit board. This will not be reused.
8. Loosen the three hose clamps and remove the existing black plastic "T" from the overflow hose (if so equipped). These items will not be reused.
9. Using the new hose clamps install the new overflow sensor tube between the fill cup and the overflow tube.
10. Connect the white wire from the new sensor circuit board to the black wire on the new overflow sensor tube.
11. Route the black, green, and blue wires from the new overflow sensor circuit board through the partition following the same path as the wire previously removed.
12. Reconnect the blue wires to the blue wires in the wiring harness.
13. Connect the green wire to terminal #8 on the underside of the field wiring terminal board.
14. Connect the black wire to terminal #11 on the underside of the field wiring terminal board.
15. Replace the cover panels and reconnect electrical power.

This new sensor detects an overflow by a change in capacitance. This triggers a delay of approximately one minute that prevents the fill solenoid valve from opening. The red "HL" LED will be on during this period. Note that a power interruption or cycling the On-Off-Drain switch will also trigger the sensor.

To test the new circuit, place the On-Off-Drain switch in the "On" position, wait until the "HL" LED turns off, and then grasp the white wire at the new overflow sensor tube. The "HL" LED will turn on and the fill solenoid valve will temporarily shut off.

The sensor is maintenance-free and continuously self-calibrates according to changing conditions inside the humidifier cabinet.