Integrated Control Replacement Kit

INSTALLATION INSTRUCTIONS FOR INTEGRATED CONTROL REPLACEMENT KIT (73W45) USED WITH SLP98 UNITS

⚠️ WARNING
This kit is to be installed by a licensed professional technician (or equivalent) or other agency in accordance with the manufacturer’s instructions, and in accordance with all codes and requirements of the authority having jurisdiction.

Shipping & Packing List

Package 1 of 1 contains:
1 - Ignition control - 102813-02

Application

This control is designed for use with a 120V ignitor (100536-02) only. Do not install this integrated control in a furnace equipped with a 95V ignitor. Integrated control 102813-02 can be used in communicating or non-communicating applications. Use replacement integrated control kit (73W45) with SLP98 units.

Installation

⚠️ WARNING
Protect the control from direct contact with water. If the control has been in direct contact with water, replace the control.

WHEN SERVICING CONTROLS, label all wires prior to disconnecting. Wiring errors can cause improper and dangerous operation.

VERIFY proper operation after servicing.

⚠️ WARNING
Disconnect power before servicing unit. Shut off main gas supplies to appliance until installation is complete.

⚠️ WARNING
Ensure proper earth grounding of appliance. Ensure proper connection of line neutral and line hot wires.

ELECTROSTATIC DISCHARGE (ESD)

Precautions and Procedures

⚠️ CAUTION
Electrostatic discharge can affect electronic components. Take precautions during furnace installation and service to protect the furnace’s electronic controls.

Precautions will help to avoid control exposure to electrostatic discharge by putting the furnace, the control and the technician at the same electrostatic potential.

Neutralize electrostatic charge by touching hand and all tools on an unpainted unit surface, such as the gas valve or blower deck, before performing any service procedure.

1 - Turn off electrical and gas supplies to the furnace.
2 - Remove the access panels and the control box cover. Label the wires before disconnecting.
3 - Disconnect the wires and harness connectors from the existing control.
4 - Remove control by unlatching the two mounting legs on the right side of the control and then rotate the control toward you.
5 - Replace with the provided control and reconnect the marked wires and harness connectors.
6 - Restore electrical and gas supplies to the furnace.

Non-Communicating System

For non-communicating applications set all DIP switch settings and on-board links exactly as the control being replaced.

When replacing the control in a non-communicating system, it must be configured using the flow chart on page 4.

⚠️ WARNING
Ensure proper earth grounding of appliance. Ensure proper connection of line neutral and line hot wires.
icomfort Touch™ Thermostat with SLP98 and Non-Communicating Outdoor Unit

icomfort Touch™ Thermostat
icomfort™-Enabled SLP98 Indoor Furnace
Non-Communicating Outdoor Air Conditioner

Graphical representation of wiring diagram for SLP98 and icomfort™-ENABLED Outdoor Unit

FIGURE 1
Optional Accessories for use with any icomfort™ System

NOTE: icomfort™ THERMOSTAT SENSES HUMIDITY & CONTROLS 24V "H" OUTPUT (AND 120V "H" OUTPUT) TO CYCLE HUMIDIFIER BASED ON DEMAND. NO OTHER CONTROL OR HUMIDISTAT REQUIRED.

OPTIONAL OUTDOOR AIR SENSOR FOR USE WITH HUMIDIFIER (IF NOT ALREADY IN THE SYSTEM FOR OTHER FUNCTIONS. BUILT INTO ALL icomfort™ OUTDOOR UNITS).

NOTE: 24V UV LIGHT APPLICATIONS
Furnace transformer will not have adequate va to power 24v UV light applications. An additional transformer for UV light applications is required.

FIGURE 2

icomfort™ - ENABLED SLP98 FURNACE
HEPA BYPASS FILTER X2680 HEPA INTERLOCK KIT
PASS INDOOR BLOWER MOTOR COMMON WIRE THROUGH CURRENT LOOP. SEE HEPA INTERLOCK KIT FOR INSTALLATION DETAILS

icomfort™ - ENABLED SLP98 FURNACE
LVCS VENTILATION CONTROL SYSTEM
SEE LVCS VENTILATION INSTRUCTIONS FOR DAMPER & SENSOR WIRING

icomfort™ - ENABLED SLP98 FURNACE
NON-COMMUNICATING 1 OR 2 STAGE AC OR HP UNIT
(disables outdoor unit only)

icomfort™ - ENABLED OUTDOOR AIR CONDITIONING OR HEAT PUMP UNIT

Page 3
Configuring Unit Size Codes

**Power-up** - Unit Size Code number displayed represents furnace size and capacity. If three horizontal bars are display followed by continuous E203, furnace control does not recognize unit size code.

Control in IDLE mode  
(Decimal point blinking. No heating, cooling or indoor fan operation)

To enter Field Test Mode; Push and hold button next to 7-segment LED display until solid dash symbol appears, release button.

If alarm is present, control will display error code, if alarm is not present solid dash starts blinking on 7-segment LED display.

Push and hold button until the solid P symbol is displayed on the 7-segment LED, then release button. This mode allows the user to select a unit size code number that matches the furnace model size and capacity.

**IMPORTANT**: Field replacement controls may need to be manually configured to validate furnace unit size code.

UNIT SIZE CODE

<table>
<thead>
<tr>
<th>SLP98UHV MODEL</th>
<th>UNIT SIZE CODE</th>
<th>SLP98DFV MODEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>A 070-36B</td>
<td>H 070-36B</td>
<td></td>
</tr>
<tr>
<td>b 090-36C</td>
<td>J 090-36C</td>
<td></td>
</tr>
<tr>
<td>C 090-48C</td>
<td>L 090-48C</td>
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</tr>
<tr>
<td>d 090-60C</td>
<td>n 090-60C</td>
<td></td>
</tr>
<tr>
<td>E 110-60C</td>
<td>o 110-60C</td>
<td></td>
</tr>
<tr>
<td>F 135-60D</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

When the correct unit size code is displayed, release button. Selected code will flash for 10 second period. During that period, hold push button until code stops blinking (disappear for 2 seconds). Control will store code in memory and will automatically exit Field Test Mode and reset. (If second period expires or push button is held less than five seconds, control will automatically exit Field Test Mode and go into IDLE mode without storing unit size code. If this happens, configuring function must be repeated).

Verify that the selected unit size code is correct and stored in non-volatile memory by cycling the 24 volt power to the control. (At 24 volt power-up of the control, the 7-segment LED will display a unit size code. If three horizontal bars display, board does not recognize unit size code. Programming function must be repeated.)

FINISHED