INSTALLATION INSTRUCTIONS FOR INTEGRATED CONTROL REPLACEMENT KIT (19J95) USED WITH SLP98 & SLP99 UNITS

WARNING
This kit is to be installed by a licensed HVAC 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 - 102813-05

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 102813-05 can be used in communicating or non-communicating applications. Use replacement integrated control kit (19J95) with SLP98 and SLP99 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 the unit.

Shut off main gas supplies to appliance until installation is complete.

ELECTROSTATIC DISCHARGE (ESD)
Precautions and Procedures

CAUTION
Electrostatic discharge can affect electronic components. Take precautions to neutralize electrostatic charge by touching your hand and tools to metal prior to handling the control.

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
Configure the DIP switch settings and on-board links of the replacement control exactly the same as the original control.

NOTE—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 appliances.
Ensure proper connection of the line neutral and line hot wires.
FIGURE 1

Communicating Thermostat with Communicating Furnace and Non-Communicating Outdoor Unit

FURNACE

- Optional Discharge Air Sensor
- Optional Outdoor Air Sensor

OUTDOOR AIR CONDITIONING UNIT - 1 OR 2 STAGE

- Optional Outdoor Air Sensor
- Optional Discharge Air Sensor

OUTDOOR AIR CONDITIONING OR HEAT PUMP UNIT

CLIP Y1 TO Y2 FOR TWO-STAGE OPERATION

FIGURE 1
Optional Accessories for use with any Communicating System

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

NOTE: COMMUNICATING THERMOSTAT SENSES HUMIDITY & CONTROLS 24V "H" OUTPUT (& 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 COMMUNICATING OUTDOOR UNITS).

THERMOSTAT

DISCHARGE AIR SENSOR

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**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.

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.)

**SLP98/99UHV MODEL**

- A 070-36B
- b 090-36C
- C 090-48C
- d 090-60C
- E 110-60C
- F 135-60D

**SLP98/99DFV MODEL**

- H 070-36B
- J 090-36C
- L 090-48C
- n 090-60C
- o 110-60C