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INTEGRATED CONTROL REPLACEMENT kIT

INSTALLATION INSTRUCTIONS FOR INTEGRATED CONTROL REPLACEMENT KIT (22K51) USED WITH COMMUNICATING ENABLED SL280UHV, SL280DFV, EL296UHV and EL296DFV UNITS

WARNING

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

Shipping and Packing List

Package 1 of 1 contains:

- 1 Integrated control 107045-XX (two-digit suffix) -
- 1 Diagnostic sticker 107343-XX (two-digit suffix)

Application

Use replacement integrated control kit (22K51) with communicating enabled SL280 and EL296 units. This control is designed for use with a 120V ignitor only. Do not install this integrated control in a furnace equipped with a 95V ignitor. Integrated control 107045 (two-digit suffix) can be used in communicating or non-communicating applications.

Installation

A 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.

ELECTROSTATIC DISCHARGE (ESD) Precautions and Procedures



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 panel 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 Replace the current diagnostic sticker with provided diagnostic sticker.
- 7 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.

A WARNING

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









Program Unit Capacity/Size Mode



FIGURE 3

SL280UHV Schematic Wiring Diagram



FIGURE 4

SL280DFV Schematic Wiring Diagram





EL296DFV Schematic Diagram



FIGURE 6

EL296UHV Schematic Wiring Diagram



FIGURE 7

EL296UHV With Blower Drive Schematic Wiring Diagram



FIGURE 8