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LUMIS Surround Installation (Page 1/2)

STEP 1: Determine the Outlet Side

The LUMIS Fireplace Inserts are pre-wired for a right side outlet installation. It is necessary to switch the Therm-O-Disc to the left side and interchange the wires before proceeding with a left side outlet installation. Refer to the Owner's Manual **Section 4.6 (Table 4.1)** for the complete instructions.

Therm-O-Disc Assembly.

Left side outlet.

Right side outlet. (Factory)
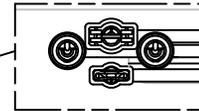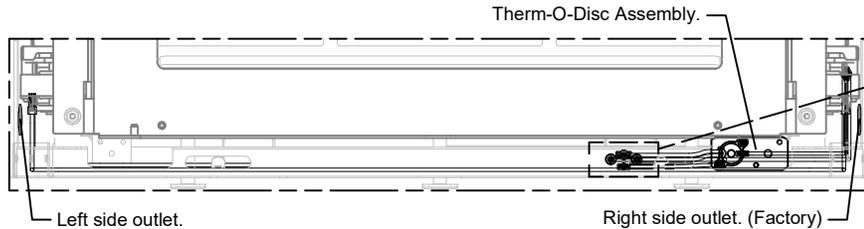
BASE TERMINALS
*To connect with **Surround Terminals**:*
Female Quick Disconnect Terminal - *Left Blower*
Snap Receptacle Terminals - *Right Blower and Therm-O-Disc*
Male Quick Disconnect Terminal - *Therm-O-Disc*

STEP 2: Install the Blower Kit Components

Note: The side of the electrical components is reversed at the back of the surround.

1 Install the Rocker Switch (with wires) on the back of the LUMIS Surround.

1. Connect the wires to the Rocker Switch.
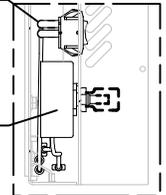2. Assemble in the mounting hole.
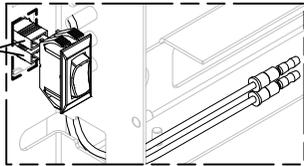
2 Assemble the Rheostat with the Locknut in the slot as shown.

1. Place the rheostat inside the surround.
2. Secure with the locknut.
3. Assemble the Knob.
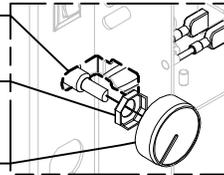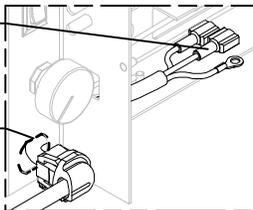
SECTION VIEW

1. Rocker switch with wires.
2. Rheostat.

Power Cord Installation (Standard)
**(See the other side of the sheet for the Armored Cable Installation - IN_ARM_CAB_KIT)**

1 Install the LUMIS Power Cord strain relief bushing on the back of the surround.

1. Insert the terminals inside the surround.
2. Install the strain relief in the mounting hole as shown.

2 Assemble the ground wire terminal on the pin located at the bottom of the surround with the 8-32 Nut. Connect the black wires terminals.

1. Assemble the ground wire on the pin with the included 8-32 nut.
2. Connect the black wires terminals. *(Rheostat and the Power Cord)*
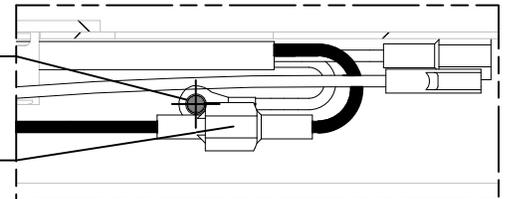
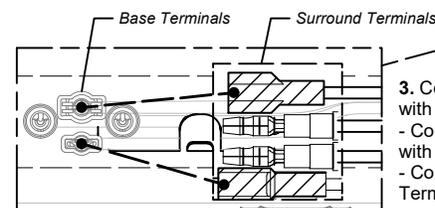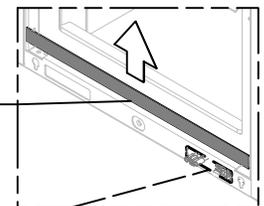**3** Organize the wires with the Tab and the Cable Tie. Make sure to bundle the terminals at the front opening.

Tab

Cable Tie (Cut excess)

Front Opening
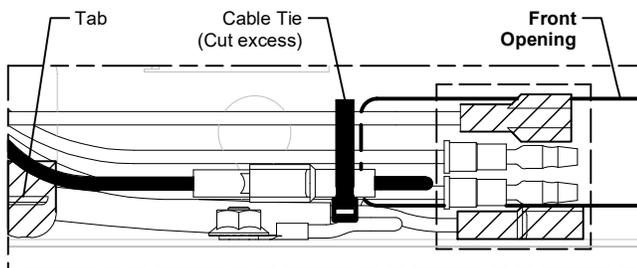
SURROUND TERMINALS
*To connect with **Base Terminals**:*
Female Quick Disconnect Terminal - *Rheostat*
Snap Plug Terminals - *Rocker Switch*
Male Quick Disconnect Terminal - *Power Cord*

4 **Install the Backplate.** Refer to the Owner's Manual **Section 4.5.** Install the surround and connect the terminals from the front opening. *Install the door when finished.*
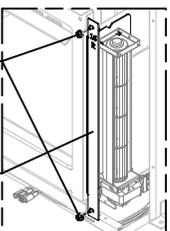
1. Assemble the surround with the black 8-15 x 3/4" screws (x4).
2. Remove the Wiring Access Plate. *Reinstall when finished.*

Base Terminals

Surround Terminals

3. Connect the Terminals of the Base with the Terminals of the Surround:
- Connect the Snap Plug Terminals with any Snap Receptacle (x2).
- Connect the Quick Disconnect Terminals has shown (x2).

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LUMIS Surround Installation (Page 2/2)

Armored Cable Installation (Optional IN_ARM_CAB_KIT)

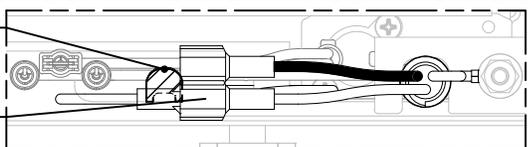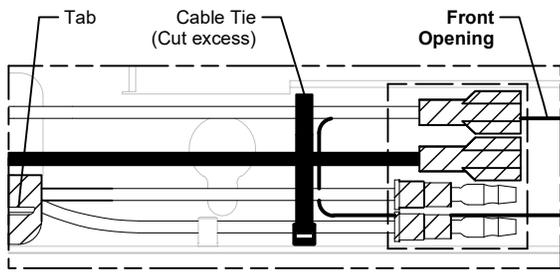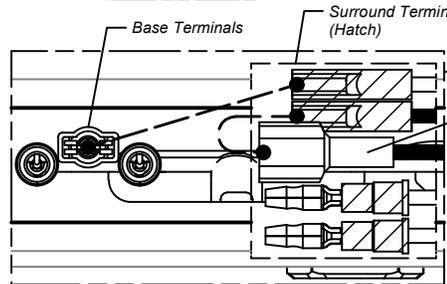**1** Remove the blower of the outlet side to permit access.

1. Remove the 8-32 nuts (x2).

2. Pull the blower bracket.

2 Remove the 7/8 in knockout of the outlet side on the circulation chamber.
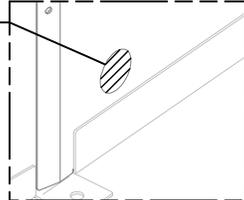
1. Remove the knockout.

3 Install the Armored Cable (with Adapter) inside the circulation chamber as shown.
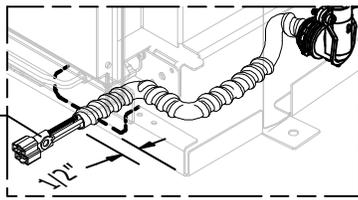
1. Extend the terminals out of the base.

12"

4 Install the Ground Bracket for Armored Building Cable.
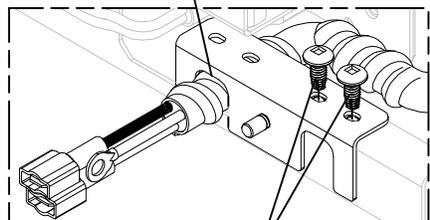
1. Secure the ending of the cable with the bracket.

2. Assemble the part on the base with the 8-32 x 3/8" Screws (x2).

5 Assemble the ground wire terminal on the pin with the included 8-32 nut.
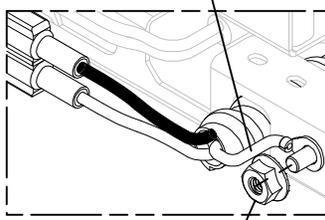
Ground Wire.

Assemble the ground with the 8-32 nut (x1).

6 Reinstall the blower on the unit. Apply pressure on the side of the bracket before tightening the nuts.

Attention when inserting the blower in the chamber, the terminals are fragile.
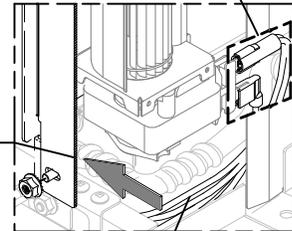
Apply pressure on the side.

Make sure the wires are running over the Metal Clad (MC) Cable.

7 Connect the white wires Quick Disconnect Terminals. This connection can be hidden in the base with the tab as shown.

Insert the connection behind the tab in the base.

Left Blower Female Quick Disconnect Terminal.

8 **Install the Backplate.** Refer to the Owner's Manual **Section 4.5.** Install the surround and connect the terminals from the front opening. *Install the door when finished.*

Tab
Cable Tie (Cut excess)
Front Opening

SURROUND TERMINALS
*To connect with **Base Terminals**:*
Female Quick Disconnect Terminals - *Rheostat*
Snap Plug Terminals - *Rocker Switch*

1. Assemble the surround with the black 8-15 x 3/4" screws (x4).

2. Remove the Wiring Access Plate. *Reinstall when finished.*

Base Terminals

Surround Terminals (Hatch)

Armored Cable Terminal

3. Connect the Terminals of the Base with the Terminals of the Surround:
- Connect the Snap Plug Terminals with any Snap Receptacle (x2).
- Connect the Quick Disconnect Terminals has shown (x2).

STEP 3: Testing of the Blower Kit

Test the Blower Kit to make sure it is functioning properly. Turn on the Rocker Switch and rotate the Rheostat on (until the Knob "clicks"). The blowers should start working at maximum speed.