



SoHo-e Electric Fan-Powered Linear Terminal (Low Profile Heating)

Tools Required

Concrete Trench Installation

- 1. Standard Screwdriver
 - Phillips Head manual adjustment of optional threaded leveling legs (if included)
- 2. Voltmeter confirm power status

Raised Access Floor (RAF) Installation

- 1. Power Screwdriver
 - Phillips #3 Bit floor panel screws
- 2. Standard Screwdriver
 - Phillips Head manual adjustment of optional threaded leveling legs (if included)
- 3. Panel Lifter (Suction Cups) remove floor panels
- 4. Jigsaw cut floor panels (if required)
- Carpet Knife trim carpet tile / floor covering (if required)
- 6. Voltmeter confirm power status

Materials Required

- 1. SoHo-e Electric Fan-Powered Linear Terminal
- **2.** Remote Temperature Sensor (Integrated Thermostat Only; Factory Furnished Loose)
- **3.** Plug & Play Control Cable (PAP-1) (External Thermostat Only; Factory Furnished Loose)
- 4. Line Power Connection (By Others)

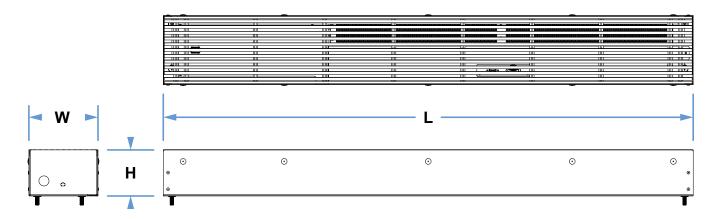
Preparation

- **1.** Verify that the SoHo is the correct model, unit count and location(s) per scheduled placement.
- **2.** Route all required power and control connections to installation location(s).
- **3.** Trench installation only: Verify trench opening dimensions will properly accommodate SoHo terminals.
- **4.** RAF installation only: Remove the floor covering / floor panels at the desired location(s) (if installed), and verify that all adjacent floor panels are properly installed.



L* (LENGTH)		W (WIDTH)		H (HEIGHT)		
(in)	(mm)	(in)	(mm)	(in)	(mm)	
31	787	6	152	4	102	
46	1168					
61	1549					
77	1956					
ADDITIONAL DIMENSIONS AVAILABLE (SPECIEY ON ORDER)						

* For optional integrated thermostat, add nominal 3" (76mm) to each overall length.

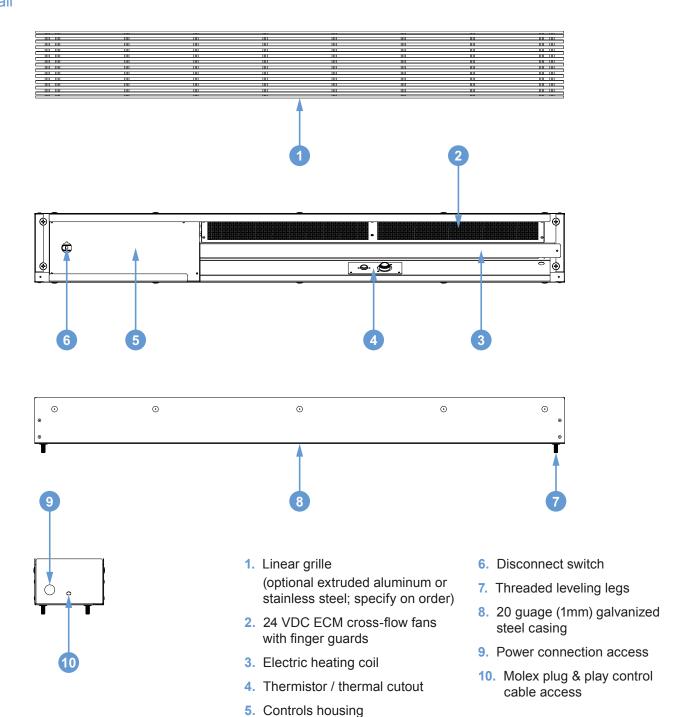






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Unit Detail







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Installation (Raised Access Floor Installation)

 Trim adjacent floor tiles around installation location as required, based on outer dimension of SoHo terminal housing:

Outer Dimension + 1/4" [+1/8"/-0"] (6mm [+3.175mm/-.00])

- 2. Reinstall floor tiles around SoHo installation opening.
- 3. Level SoHo unit, based on terminal configuration.

Flanged Unit: Lower SoHo into opening, until flanges rest on top of adjacent floor panels.

Flangeless Unit: Using a manual Phillips head screwdriver, adjust threaded leveling legs to level unit to match finish floor height. Position SoHo on sub-floor beneath installation opening.

4. Install all required control connections.

External Thermostat: Connect SoHo to designated thermostatic control zone, using Plug & Play Cable connected to molex input located in control housing (access through opening on end of trough).

Internal Thermostat: Connect SoHo to designated Remote Temperature Sensor (RTS). Refer to Remote Temperature Sensor installation instructions located on Page 4.

5. Connect SoHo to building power, per local code requirements.

NOTE: For residential applications, a GFCI circuit is required.

- **6.** Using voltmeter, check SoHo power lugs to verify power signal. Set thermostat 10°F above room temperature, and verify that fan and heater energize.
- 7. Lower SoHo terminal into installation opening.
- 8. Insert linear grille into SoHo terminal.

Installation (Perimeter Trench Installation)

1. Prepare slab trench at perimeter installation location. Size opening based on outer dimension of SoHo terminal housing:

Outer Dimension + 1/4" [+1/8"/-0"] (6mm [+3.175mm/-.00])

2. Level SoHo unit, based on terminal configuration.

Flanged Unit: Lower SoHo into opening, until flanges rest on top of slab surface.

Flangeless Unit: Lower SoHo into opening. Using a manual Phillips head screwdriver, adjust threaded leveling legs to level unit to match slab surface height.

3. Install all required control connections.

External Thermostat: Connect SoHo to designated thermostatic control zone, using Plug & Play Cable connected to molex input located in control housing (access through opening on end of trough).

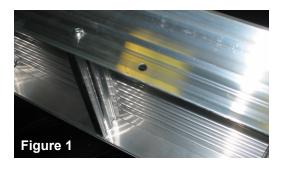
Internal Thermostat: Connect SoHo to designated Remote Temperature Sensor (RTS). Refer to Remote Temperature Sensor installation instructions located on Page 4.

- **4.** Connect SoHo to building power, per local code requirements.
 - Line / Neutral to power connector terminal block
 - · Ground to ground lug
- **5.** Using voltmeter, check SoHo power lugs to verify power signal. Set thermostat 10°F above room temperature, and verify that fan and heater energize.
- **6.** Lower SoHo terminal into installation opening.
- 7. Insert linear grille into SoHo terminal.

Installation (Linear Grille)

FOR DIRECTIONAL GRILLES ONLY:

Locate positioning hole drilled on ONE SIDE of grille frame (**Figure 1**). Position grille so that this hole faces into room, away from perimeter.



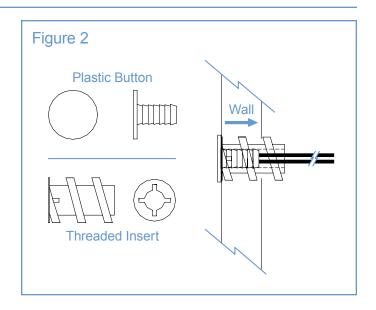




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Installation (Remote Temperature Sensor)

- **1.** Mounting in sheetrock is done through a 1/2" (13mm) hole (**Figure 2**).
- **2.** Pull the brown thermostat wire from the SoHo unit out through the hole.
- 3. With the remote sensor wires threaded through the plastic threaded insert and the screw slots facing outward, connect the remote wires to the thermostat wire with the provided barrel connectors.
- 4. Push connected wiring back into the hole in the wall.
- **5.** Thread the plastic insert into the sheetrock.
- 6. Push the plastic button into the plastic insert.



Standard Sequence of Operation

MODE	HEATING DEMAND	FAN SPEED	ELECTRIC HEAT MODULATION
HEAT DEADBAND	0%	OFF	OFF
HEATING STAGE 1	20%	ON 50% ¹	ON 50%
HEATING STAGE 2	50%	ON 75% ¹	ON 75%
HEATING STAGE 3	70%	ON MAX% ²	ON 100%

Notes

- Fan Speed Max in Heating Mode (2) set by Adj2 Pot (R4 on right) Range: 20% (CCW) to 100% (CW) of Full EC Fan Speed Factory set to Job Specified Heating fan speed Incremental Speeds (1) are 50% and 75% of Max Speed
- Fan runs for at least 30 seconds after heat turns off and continues to run until heater has cooled down.

Operation

External Thermostat: Once installed, the SoHo-e requires no direct input or adjustment for proper operation.

Internal Thermostat: Remove linear grille and adjust thermostat temperature setting as desired.

Maintenance

At least once a year, it is recommended to clean the interior of the SoHo-e terminal.

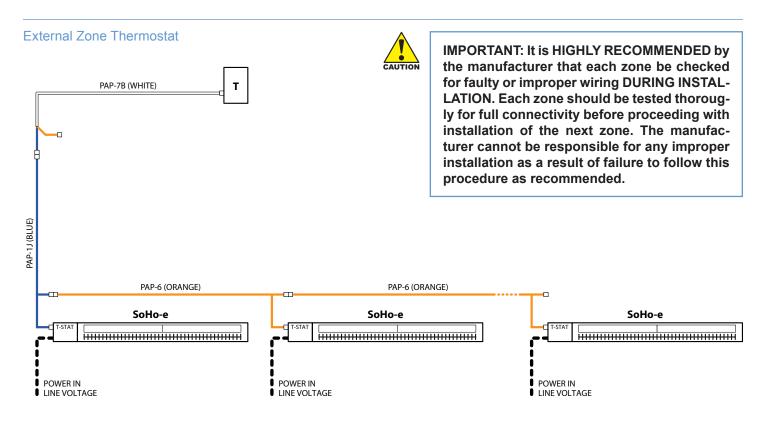
- 1. Remove linear grille.
- **2.** Using a shop vac, carefully vacuum any loose debris from interior of the trench and both terminals.
- 3. After cleaning, replace linear grille.



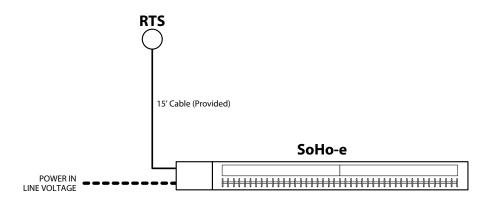


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Example Zone Connections



Optional Integrated Thermostat with Remote Temperature Sensor



Remote Temperature Sensor Recommended Installation:

48" install height above the floor, minimum 24" away from SoHo heater in a location not likely to be blocked by obstructions.