



Underfloor Air Distribution Linear Terminal

MODEL:

CLEMIT

DESCRIPTION:

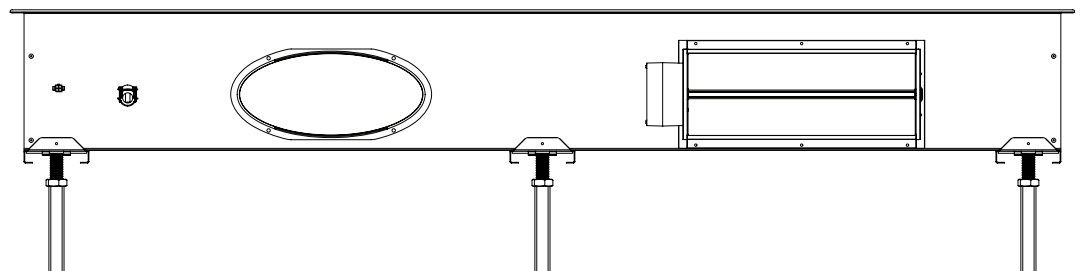
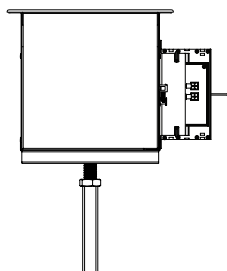
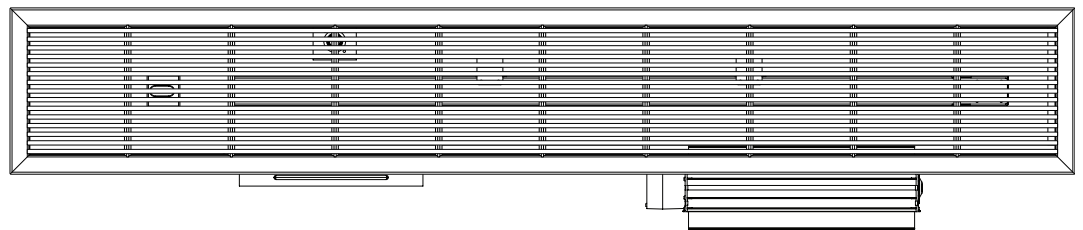
CLEMIT (Continuous Linear Electric Modular Integrated Terminal) is an electric heating / air cooling linear diffuser package, for use in raised access floor systems. The underfloor terminal features 20 gauge (1mm) galvanized steel construction, pre-painted flat black.

The sheathed-type electric heater is available up to 3.0kW standard, with additional custom sizes available (specify on order). A 24VAC control transformer will power other devices up to standard 40VA (100VA option available). A single-point electrical power connection and unit-mounted disconnect are included.

Optional air valves use time modulation to vary total air supplied to a conditioned space. Air velocity is constant any time the valve is open; the short time duration between open/close cycles produces the effect of continuous air delivered to the occupied space. They are rated for 24V (18-30VAC) operation; one (1) PAP-1 Plug & Play Cable is included per air valve. Optional extended high performance air valves are available (specify on order).

Optional duct connections are available in multiple sizes and configurations. Ducted air flow capacity is derived from the source; output is dependent on ducting arrangement and fan capability.

The linear grille is available as extruded aluminum or stainless steel, in a variety of sizes and configurations. Ten (10) standard colors are available; custom colors and finishes can be provided to match architectural design (specify on order).

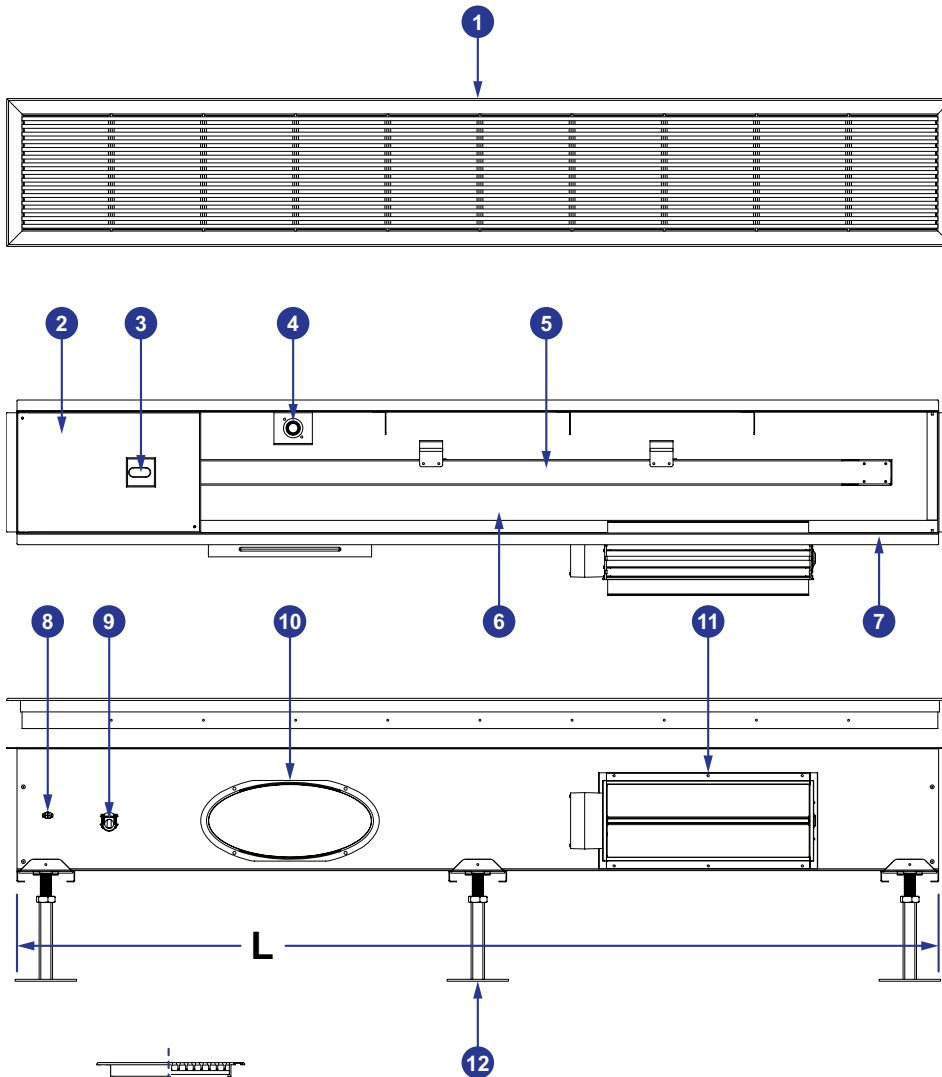


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UNIT DETAIL:



1. Linear grille
(optional extruded aluminum or stainless steel; specify on order)
2. Controls housing
3. Disconnect switch
4. Thermistor / thermal cutout
5. Sheathed electric heating element
(0.5–3.0kW; specify on order)
6. 20 gauge (1mm) galvanized steel casing, pre-painted black
7. 3/4" (19mm) support flanges
(optional; specify on order)
8. Plug & play control cable moxex connection
9. Line power connection clamp
10. Duct connections
(optional; specify on order)
11. VAV air valves
(optional; specify on order)
12. Support pedestals / brackets on nominal 36" (914mm) centers
(optional; specify on order)

| L | STANDARD LENGTH OPTIONS | | | | | | | | | |
|----|-------------------------|-----|------|------|------|------|------|------|------|--|
| in | 24 | 36 | 48 | 60 | 72 | 84 | 96 | 108 | 120 | |
| mm | 610 | 914 | 1219 | 1524 | 1829 | 2134 | 2438 | 2743 | 3048 | |

| W | STANDARD WIDTH OPTIONS | | | | H | STANDARD HEIGHT OPTIONS | | | |
|----|------------------------|-----|-----|-----|----|-------------------------|-----|-----|-----|
| in | 6 | 8 | 10 | 12 | in | 6 | 8 | 10 | 12 |
| mm | 152 | 203 | 254 | 305 | mm | 152 | 203 | 254 | 305 |

ALL DIMENSIONS NOMINAL $\pm 0.1"$ (2.5mm)



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FEATURES:

- 20 gauge (1mm) galvanized steel terminal housing, pre-painted flat black
- Optional terminal dimensions available (specify on order)
- Multiple grille configurations available
 - Extruded aluminum / stainless steel (304 / 316 Series)
 - Ten (10) standard colors; additional colors and finishes available at architect's choice (specify on order)
- Optional support pedestals / brackets (brackets factory mounted; pedestals furnished loose for field installation)
- Optional 3/4" (19mm) support flanges
- Optional air valves (maximum size / number of air valves based on unit length)
 - DC synchronized magnetic motor
 - Factory programmed multi-function circuit board for varying control strategies
 - Modular Plug & Play power and control connections
- Optional duct connections (size, shape, quantity)
- Modular Plug & Play power and control connections
- Sheathed electric heating element (0.5–3.0kW standard, based on terminal / element length)
- Single-point power connection for assembly
- 40VA control transformer (100VA optional)
- Low temperature finned heating elements
- ETL listed, fully certified to UL standards
- "Heating-Only" option available
- Meets all NEC requirements
- Includes NEMA-1 enclosure
- Main supply fusing

SPECIFICATIONS:

| | |
|-------------------------------|--|
| Application: | Underfloor Heating / Cooling Raised Access Floor Systems |
| Terminal Dimensions: | Specify on Order |
| Terminal Construction: | Galvanized Steel 20 Gauge (1mm) Pre-Painted Black |
| Grille Configuration: | Extruded Aluminum 304 / 316 Series Stainless Steel (Specify on Order) |
| Heating Capacity: | 0.5–3.0kW (Specify on Order) |
| Standard Capacity: | 13" (330mm) Standard air Valve 150 cfm @ 0.05 in. w.c. (255 m ³ /hr @ 12.5 Pa) |
| Air Flow (Nominal) | OPTIONAL: 2 Air Valves = 300 cfm (510 m ³ /hr) Minimum Trough Size: 4' (1.2m) 3 Air Valves = 450 cfm (765 m ³ /hr) Minimum Trough Size: 6' (1.8m) 4 Air Valves = 600 cfm (1020 m ³ /hr) Minimum Trough Size: 7' (2.1m) 5 Air Valves = 750 cfm (1275 m ³ /hr) Minimum Trough Size: 8' (2.4m) |
| High Capacity: | 22" (559mm) Extended Air Valve 300 cfm @ 0.05 in. w.c. (510 m ³ /hr @ 12.5 Pa) |
| Air Flow (Nominal) | OPTIONAL: 2 Air Valves = 600 cfm (1020 m ³ /hr) Minimum Trough Size: 6' (1.8m) 3 Air Valves = 900 cfm (1530 m ³ /hr) Minimum Trough Size: 8' (2.4m) 4 Air Valves = 1200 cfm (2040 m ³ /hr) Minimum Trough Size: 10' (3.0m) |



DATA SHEET

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ELECTRICAL PERFORMANCE:

- 120V (120/1/60) | 277V (277/1/60)
 - Single Phase units require 3 conductors: Line / Neutral / Ground
- 240V (240/1/60)
 - Single Phase units require 3 conductors: Line1 / Line2 / Ground
- 208V (208/1/60)
 - Single Phase 208V requires 4 conductors: Line1 / Line2 / Neutral / Ground

Additional Voltages / 50Hz capabilities available on request.

| PRODUCT DESCRIPTION | | | PRIMARY VOLTAGE / PH | | MAXIMUM HEAT OUTPUT | HEATER AMPS | MCA | MOP |
|---------------------|----|-----|----------------------|---|---------------------|-------------|------|-----|
| | | | | | KW | | | |
| CLEMIT | 12 | 005 | 120 | 1 | 0.5 | 4.2 | 5.2 | 10 |
| | | 010 | 120 | 1 | 1.0 | 8.3 | 10.4 | 15 |
| | | 015 | 120 | 1 | 1.5 | 12.5 | 15.6 | 20 |
| | | 020 | 120 | 1 | 2.0 | 16.7 | 20.8 | 25 |
| | | 030 | 120 | 1 | 3.0 | 25.0 | 31.3 | 35 |
| | 20 | 005 | 208 | 1 | 0.5 | 2.4 | 3.0 | 5 |
| | | 010 | 208 | 1 | 1.0 | 4.8 | 6.0 | 10 |
| | | 015 | 208 | 1 | 1.5 | 7.2 | 9.0 | 10 |
| | | 020 | 208 | 1 | 2.0 | 9.6 | 12.0 | 15 |
| | | 030 | 208 | 1 | 3.0 | 14.4 | 18.0 | 20 |
| | 24 | 005 | 240 | 1 | 0.5 | 2.1 | 2.6 | 5 |
| | | 010 | 240 | 1 | 1.0 | 4.2 | 5.2 | 10 |
| | | 015 | 240 | 1 | 1.5 | 6.3 | 7.8 | 10 |
| | | 020 | 240 | 1 | 2.0 | 8.3 | 10.4 | 15 |
| | | 030 | 240 | 1 | 3.0 | 12.5 | 15.6 | 20 |
| | 27 | 005 | 277 | 1 | 0.5 | 1.8 | 2.3 | 5 |
| | | 010 | 277 | 1 | 1.0 | 3.6 | 4.5 | 5 |
| | | 015 | 277 | 1 | 1.5 | 5.4 | 6.8 | 10 |
| | | 020 | 277 | 1 | 2.0 | 7.2 | 9.0 | 10 |
| | | 030 | 277 | 1 | 3.0 | 10.8 | 13.5 | 15 |



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CLE - 06 - 024 - 06 - 00 - 12 - 05 - 1 V S

PRODUCT DESCRIPTION
Continuous
Linear
Electric Heating

TERMINAL WIDTH
06 = 6" (152mm)
08 = 8" (203mm)
10 = 10" (254mm)
12 = 12" (305mm)

TERMINAL LENGTH
024 = 24" (610mm)
036 = 36" (914mm)
048 = 48" (1219mm)
060 = 60" (1524mm)
072 = 72" (1829mm)
084 = 84" (2134mm)
096 = 96" (2438mm)
108 = 108" (2743mm)
120 = 120" (3048mm)

TERMINAL HEIGHT
06 = 6" (152mm)
08 = 8" (203mm)
10 = 10" (254mm)
12 = 12" (305mm)

TERMINAL FLANGE CONFIGURATION
00 = Fully Flangeless
20 = Two (2) Flanges (Long Sides Only)
3L = Three (3) Flanges (Long Sides + Left End)
3R = Three (3) Flanges (Long Sides + Right End)
40 = Four (4) Flanges (All Sides + Ends)

ELECTRICAL VOLTAGE
12 = 120V (120/1/60)
20 = 208V (208/1/60)
24 = 240V (240/1/60)
27 = 277V (277/1/60)

OPENING DIMENSION

Air Valve (Length)
S = Standard Capacity (13")
L = High Capacity (22")
Duct Connection (Ellipsoid / Round Diameter) (Rectangle Height)
A = 4"
B = 5"
C = 6"
D = 7"
E = 8"
F = 9"
G = 10"
H = 11"
I = 12"

OPENING DESCRIPTION

V = VAV Air Valve
Duct Connection
L = Ellipsoid
R = Round
Duct Connection (Rectangle Width)
A = 4"
B = 5"
C = 6"
D = 7"
E = 8"
F = 9"
G = 10"
H = 11"
I = 12"

AIR FLOW OPENINGS

1 = One (1) Opening
2 = Two (2) Openings
3 = Three (3) Openings
4 = Four (4) Openings
5 = Five (5) Openings

HEATING OPTIONS

05 = 0.5kW Electric Element
10 = 1.0kW Electric Element
15 = 1.5kW Electric Element
20 = 2.0kW Electric Element
30 = 3.0kW Electric Element