

FlexSys Underfloor Air Distribution Terminal

Model:

CLWMIT

TOOLS REQUIRED:

1. Power Screwdriver
 - Phillips #3 Bit - floor panel screws
2. Panel Lifter (Suction Cups) - remove floor panels
3. Jigsaw - cut floor panels (if required)
4. Carpet Knife - trim carpet tile / floor covering (if required)

MATERIALS REQUIRED:

1. CLWMIT Underfloor Air Distribution Terminal
2. Plug & Play Cables (if unit includes air valves)
3. Wall Support Angle
4. Floor Pedestals

PREPARATION:

1. Verify that the CLWMIT is the correct model, unit count and location(s) per scheduled placement.
2. Remove the floor covering / floor panels at the desired location(s) (if installed).
3. Verify correct quantity of floor pedestals / heads are available.
4. Verify that all adjacent floor panels are properly installed.



IMPORTANT: It is **HIGHLY RECOMMENDED** by the manufacturer that each zone be checked for faulty or improper wiring **DURING INSTALLATION**. Each zone should be tested thoroughly for full connectivity before proceeding with installation of the next zone. The manufacturer cannot be responsible for any improper installation as a result of failure to follow this procedure as outlined in the FlexSys Connectivity Testing Procedures.

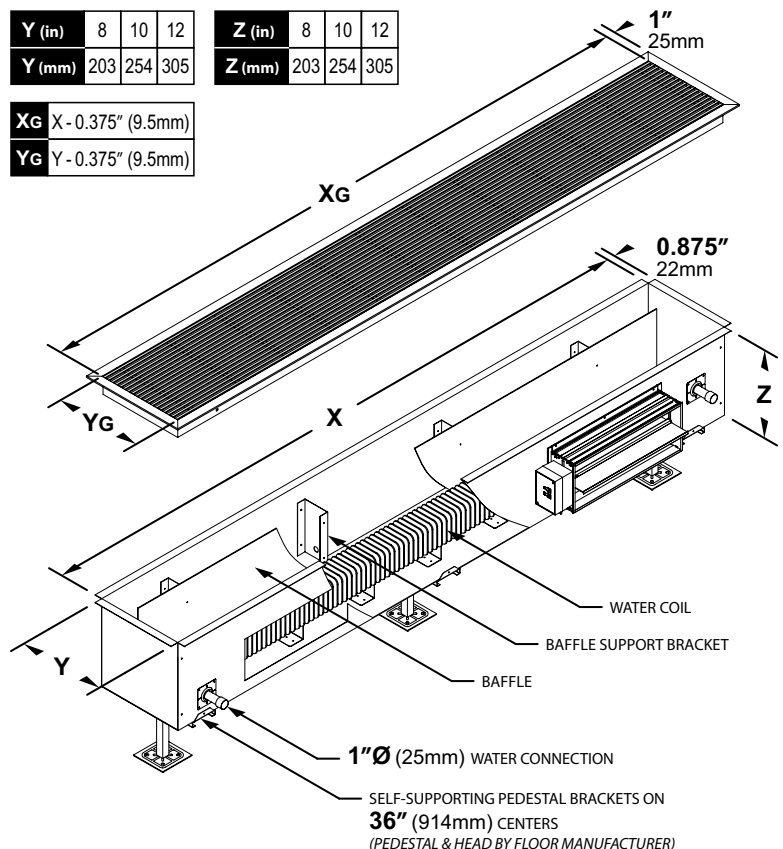
ALL DIMENSIONS NOMINAL +/- 0.1" (2.5mm)

X (in)	36	48	60	72	84	96	108	120
X (mm)	914	1219	1524	1829	2134	2438	2743	3048

Y (in)	8	10	12
Y (mm)	203	254	305

Z (in)	8	10	12
Z (mm)	203	254	305

XG	X - 0.375" (9.5mm)
YG	Y - 0.375" (9.5mm)



REFER TO PAGE 2 FOR ADDITIONAL INFORMATION:
INSTALLATION / OPERATION / MAINTENANCE

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INSTALLATION:

(PRIOR TO FLOOR INSTALLATION)

1. Install wall support angle (provided) at finish floor height throughout perimeter where trough will be installed.
2. Trim adjacent floor tiles around installation location as required, based on outer dimension of CLWMIT trough housing.
3. Position CLWMIT unit against wall – rear trough flange will rest on wall support angle.
4. Slide floor pedestals under trough, into pre-installed pedestal brackets. Raise pedestals until tight against bottom of unit (this is for temporary support, and will be loosened later during installation).
5. Level unit – make sure it is secured and in correct position, to reduce possibility that injury and/or damage can occur.
6. Connect water valve (provided by others).

EXTREME CAUTION: Use a heat sink when soldering water valve, to prevent compromising joints that are already soldered inside trough.

If air valves are NOT included, skip to Step 9.

7. Connect CLWMIT to designated VAV operational zone, using Plug & Play Cables connected to mox inputs located on end of air valves.
8. Confirm air valve operation – spin damper by hand to verify free movement. Incorrect routing of cables and/or other underfloor obstructions can interfere with operation.

If duct connections are NOT included, skip to Step 10.

9. Route flex duct from designated air flow zone. Connect to ellipsoid collar on CLWMIT terminal, and secure in place using duct ties / clamps.

10. Connect water coil to building piping system, per local code requirements.

INSTALLATION:

(AFTER FLOOR INSTALLATION):

11. Install floor tiles around CLWMIT. Once in place, they will help support unit from trough flanges.
12. When floor tiles adjacent to unit are installed, loosen pedestal heads so they “just touch” bottom of unit. This will seal trough flanges against wall support angle and floor tiles when weight is applied from linear grille.
13. Verify that carpet is installed over CLWMIT trough mounting flanges.
14. Install 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.

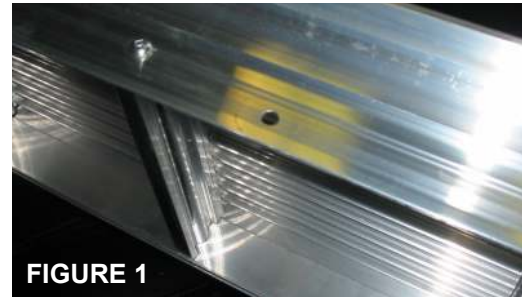


FIGURE 1

OPERATION:

Once installed, the CLWMIT requires no direct input or adjustment for proper operation.

MAINTENANCE:

Once installed, the CLWMIT requires no regular service or maintenance for proper operation.

REFER TO PAGE 3 FOR ADDITIONAL INFORMATION:
TYPICAL INSTALLATION DETAIL

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TYPICAL INSTALLATION DETAIL:

1. Formed Wall Angle supplied by Manufacturer.
Installation by flooring trades (typical).
2. Pedestal Support Brackets factory installed on 36"
(914mm) centers (typical).
3. Support Pedestals supplied by Manufacturer and
installed by flooring trades (typical).

