

(IT IS ALSO RECOMMENDED THAT YOU ASSEMBLE THE INTAKE FAN UNIT AND WIRING AT YOUR OFFICE, AND TEST THE ASSEMBLY UPON RECEIPT.)

INCLUDED IN THE BOX:



(1) Base unit (w/controls and side block)



(1) Exhaust Chute



(1) Transformer



(1) Floor Register White



- (1) Dual fan assembly
- (1) Bag of anchors and screws
- (1) Top Cone
- (1) Vent Cover
- (1) 6" Metal Duct
- (1) Flex Duct
- (1) 100' Roll of Control Wiring

SUPPLIES YOU WILL NEED:

- Drill Motor and/or Hammer Drill
- 6" Hole Saw w/arbor OR 6" Core Bit -Assembly
- Phillips Screwdriver
- Level
- Hammer
- Tin Snips
- Caulking Gun w/silicone caulk
- Razor Knife
- Jig Saw
- A means of anchoring the control wire to joists or sidewalls to keep wiring off of the floor
- Double sided weatherization foam tape



CrawlSpace Conditioner System Installation:

1. Inspection of crawlspace:

Please look for:

- Wall vents – **MUST BE SEALED OFF FROM OUTSIDE AIR**
- Gaps /cracks / door jams – **MUST BE SEALED OFF FROM OUTSIDE AIR**
- Dirt floor – Vapor Barrier must be installed prior to EZ Breathe Crawlspace Conditioner
- 110 power outlet must be available to plug in the EZ Breathe Crawlspace Conditioner

2. Determine locations of:

A. Floor register

B. EZ Breathe base location

C. 6" round exhaust hole

The EZB unit should be on one end of the crawlspace, the powered dual fan assembly on the opposite end.

Please take into consideration:

- *The location of the 6" exhaust hole and the location of the floor register (intake fan unit)
- *Area where floor register is located **MUST BE A CONDITIONED SPACE.**

*Noise of dual fan, **LET THE CUSTOMER HEAR THE INTAKE UNIT FANS**

*Ease of installation, material you have to cut through

*Customer preference on appearance, use of space, noise

*Proximity to EZ Breathe base unit – increasing the space between the fan assembly and the EZ Breathe base unit will maximize the space serviced and treated with the EZB Crawlspace Conditioner System. The control wiring-100' long determines the distance between the 2 components. This control wiring will transmit power and a signal from the EZB base unit to the dual fan assembly so they both run according to the humidistat setting.

IN LOCATING THE EXHAUST HOLE, AND FLOOR REGISTER, WHAT IS ON THE OTHER SIDE OF THE PENETRATION SHOULD BE DETERMINED BEFORE ANY PILOT HOLE IS CUT....

3. Drill 6" round hole

Use long pilot drill after placement is determined.

Drill 6" round hole.

(Often the rim joist or existing foundation vents can be used for the location of the exhaust.)



4. Fasten EZB unit to the crawl space wall. Cut the 6" duct or 6" flex duct to size and connect to the top cone.



5. Level and fasten the outside vent cover with the 4 screws. Seal it with silicone caulk around the outside of vent cover.



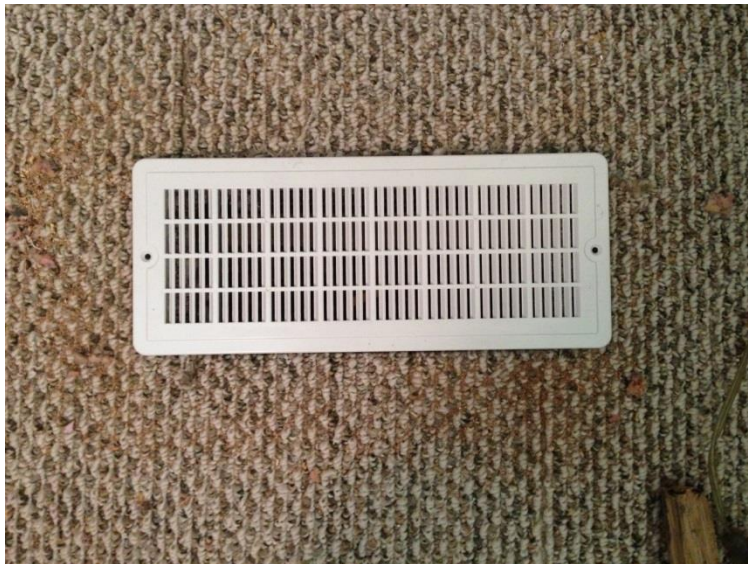
6. Determine the placement of the dual fan assembly—on the opposite end of the crawl space from where the EZB unit has been installed. *Please make sure customer listens to fan running when determining best location.*

Cut the floor boards to equal the **INSIDE** DIMENSION of fan assembly housing. *The floor register lip on the underside will need to be trimmed to make a flush installation.*

LIP ON UNDERSIDE
OF FLOOR REGISTER



7. Fasten the floor register.



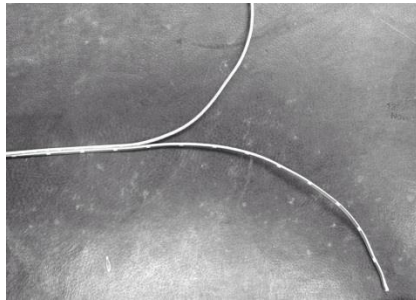
8. Test the dual fan assembly by wiring this way:

Plug the transformer into the side block of EZB unit. Connect the male and female ends of the transformer and the 100' white control wiring.

The 2 exposed wires, on the other end of the control wiring bundle, are connected to the powered dual fan assembly this way: the white wire with grey dashes is the hot wire and should be connected to the red post screw (+) and the other plain white wire (without grey dashes) is the neutral and should be connected to the blue post screw (-).

Turn off to install.

Caution: The fan blades are very fragile—DO NOT attempt to install with the dual fan assembly is energized.



HOT WIRE
←



9. Provide noise reduction by securing double sided foam weatherization tape to the black rubber surface of dual fan assembly. Pay special attention to ensure that the screw holes are covered with tape as well. This step will significantly cut down on the noise and vibration.



Before double sided weatherization foam tape



after weatherization tape

10. From below, mount powered dual fan assembly keeping in mind location of wire connections.

When the EZB unit turns on, the dual powered fan assembly will also energize at the same time to force conditioned air down from the living area above into the crawl space, while the EZB base removes contaminants.

INSTALLERS PLEASE DOUBLE CHECK:

- EZ Breathe base unit is set: Humidity Dial = 20% and Fan Speed = High
(These settings may change due to extreme external environments and the size of crawlspace, please call our tech support 1.866.822.7328 if you have any questions)
- **ANY** direct air communication to the outside is sealed off: vents, cracks, gaps, door jams, etc.
- No dirt floor is exposed
- Intake Fans power on and off with EZ Breathe base settings, please test

MOST IMPORTANTLY, GET THE CUSTOMER TO SIGN OFF ON THE *INSTALLED* NOISE LEVEL. IN A HANDFUL OF CASES WE HAVE HAD TO CREATE NOISE REDUCTION BOXES, IF THIS IS NECESSARY, CALL EZ BREATHE!

If you are experiencing any difficulty or have questions, please call our office at 1.866.822.7328 for assistance.