

Installation Instructions

It is recommended these units are installed by a preferred installer, please contact us for a list in your area. Installation instructions are a guide only. All electrical connections are subject to NZ law.



Pre-Installation checks

Before starting the installation, check the site & establish the best position/s of the following components:

Diffuser For most small to medium sized homes a single diffuser is usually all that is necessary. It is recommended this be installed into a hallway that is common to most rooms in the home. Installation of the main diffuser into the living / dining area is not recommended.

Unit The Unit comprises of the Fan, Heater (if supplied) and Filter box. It is important to install the Unit so that it is as high as possible in the roof space, this is to maximize the benefit of any thermal gain. It also keeps the fan inlet air above dust which may come from the roof insulation. **IMPORTANT:** The unit must be installed in a perfectly horizontal position to ensure correct heater operation.

Attic Controller Is to be installed at the same level as the inlet to the fan, so as to best measure the inlet air condition (temperature) of the unit. The attic controller can be fixed to the timber framing in the roof space. For DM01B and DM07B models, set the top "Summer Off" thermostat" to 27°C and the lower "Hi/Lo" (for DM01B) or "Heater" (for DM07B) thermostat to 15°C. DM01C, DM07C and DM15C have no adjustable controls on the attic controller.

Hall Controller (For DM01C, DM07C and DM15C) Hall controller is to be installed in the house at least 3m from the diffuser but in the same area, 1.5m above the floor. The hall controller should not be installed on an external wall, in a living / dining area or in the immediate vicinity of a heater or heat pump outlet. This is so that the Hall Controller's built in temperature sensor is not affected by outside air temperature or heating, and should best measure average house temperatures.

Ducting Installation of ducting should allow for a full stretch and a smooth sweep onto the rear of the diffuser. This will have a marked effect on the effective operation of the unit air flow & attenuation of fan noise.

Installation Procedure

Based on the above criteria:

1. Fit Diffuser Before cutting hole for diffuser, check that it will clear ceiling joists and roof structure. Use circle template to cut correct sized hole in the ceiling. Attach duct to grille, taping the centre duct sleeve to the grille spigot then separately taping the insulation/outer to the spigot. Feed ducting through the hole and clip diffuser in place using the spring clips. Ensure grille has a minimum gap of 16mm between inner disk and outer collar.

2. Assembly of Unit It is suggested that this is done in a clear space on the floor.

FAN: Mount fan brackets to side of fan.

HEATER (on heated models): Fit to inlet of fan using 4 screws provided (note airflow direction for fan is shown by an arrow on the terminal cover). Ensure airflow direction arrow on heater is the same as direction on fan, ensure heater is mounted so marked top is installed upright.

FILTER BOX: Fit to heater (on heated models), or fit to the fan using the supplied collar, so that the hanging bracket is on the heater/fan inlet side. Ensure airflow direction arrow on filter is same as fan.

PRE FILTER: Fit white pre filter bag to inlet of filter box.

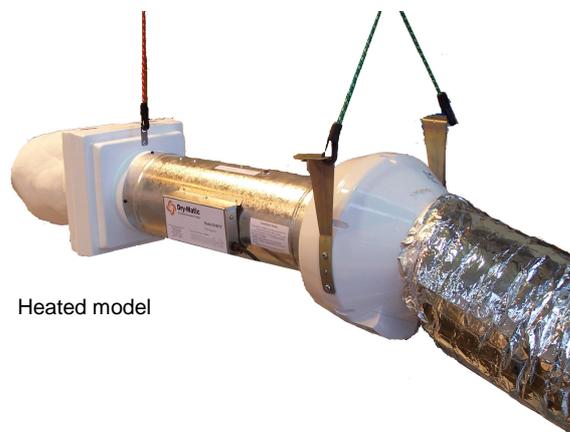
3. Pre Wiring Using supplied flying leads, connect attic control unit to fan and heater (on heated models). Check wiring diagrams on components carefully.

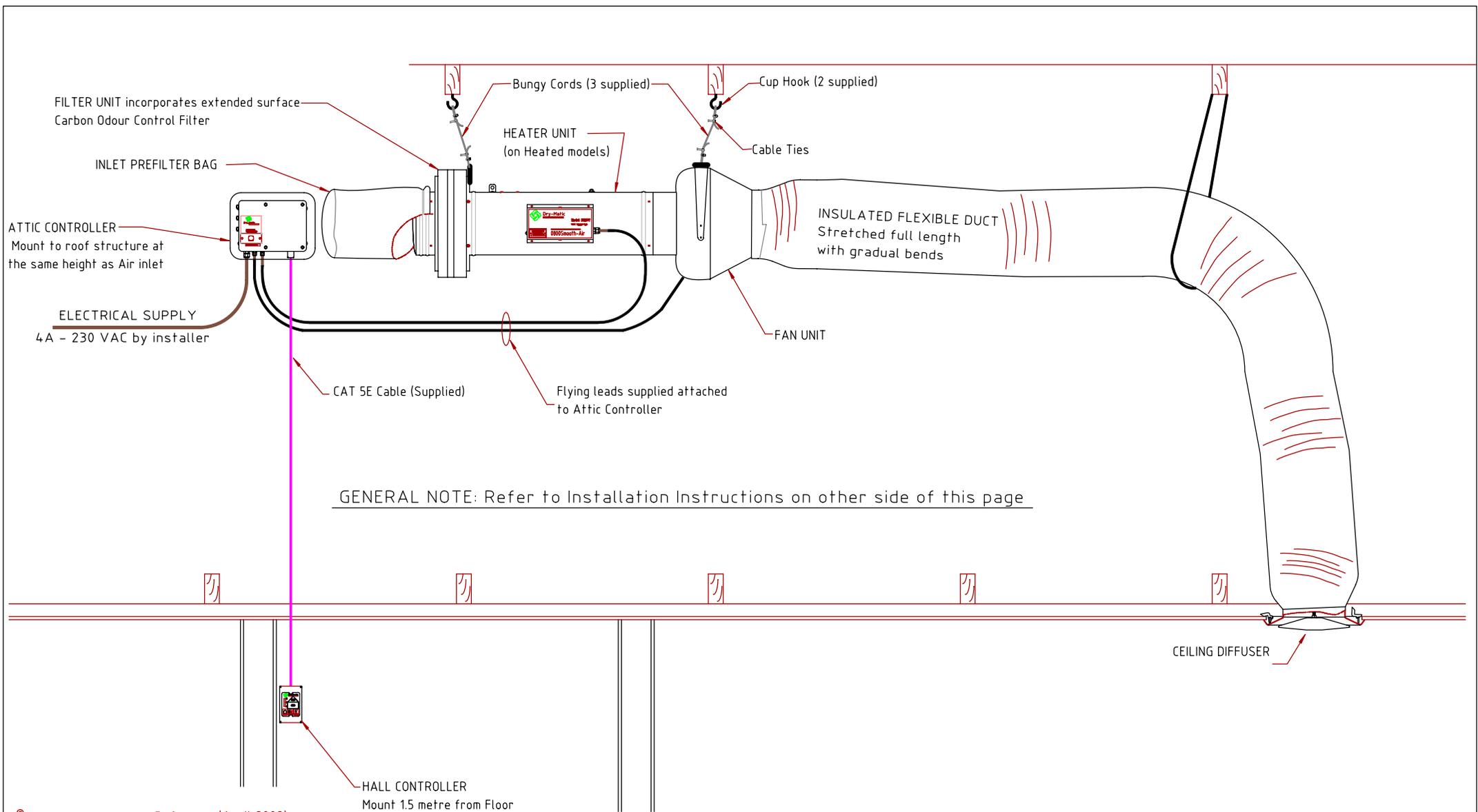
4. Installing in Attic Lift assembled unit into attic space. Fit supplied cup hooks (x2) to roof structure. Clip supplied bungies (x3) to the three mounting points on assembled unit. Lift unit into position and hook other end of bungee cords over cup hooks. Attach duct to fan outlet, taping core and insulation/outer as before. Adjust length of bungies so unit is level and tighten cable ties to lock unit into position.

5. Mount Attic and Hall Controllers Run supplied cat 5 patch lead to hall controller position (as above), attach to hall controller and attic controller.

6. Power Supply Connect a power supply to attic controller isolating switch (by registered electrician).

7. Check Operation As per operating instructions.





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SCHEMATIC LAYOUT / INSTALLATION INSTRUCTIONS

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