

PRODUCT DATA SHEET

Product Code: FV814
 Product Description: 4 Outlet Home
 Ventilation System

Designed and built in NZ to suit NZ conditions

- Easy to install
- All parts are included
- Allows operator to control individual functions with ease
- 3 Year Extended Warranty



Product Use	The FV814 is a mid range outlet home ventilation system	
	Typical applications:	
	<ul style="list-style-type: none"> • Small to medium sized houses 85-150sq/mtrs 	
Environmental conditions	Operation	to IEC 721-3-3
	Climatic conditions	class 3K5
	Temperature	0...+50°C
	Humidity	<95% r.h.
Standards	Test standards	AS/NZS 3350.2.80:1998 Amdts 1-3 "Electric fans". AS/NZA 3350.1:2002 incl. Amdt 1-2 "Safety of household and similar electrical appliances"
	Test Report No	SD319
	EMC Compliance causing	This is a Level One product with a brushless AC motor that has a very low risk of EMC interference
General	Weight	5.4Kg
	Colour of front fascia	white
	Housing material	Poly Carbonate
	Cut-out size	156mm Dia
Ordering	When ordering, please give name and type reference: FV814 Home Ventilation System	
	Barcode:	942000490131-7
Product Documentation	Unit Instructions:	INS_814
Technical Data	Power Supply	230 VAC
	Power Consumption	max. .35Amps
	Supply Line Fusing	max. 10A
	Connection terminals	screw clamp terminals
	For solid wires	2 x 1.5mm ²
	Total Product Wattage:	85 Watts
	Free Air Fan Performance:	928.83m ³ /hr 258L/s

PRODUCT INSTALLATION STEPS:

The outlet vents should be placed as far apart as the ducting will allow (i.e. 5 metres), with one situated in the main living area and the others in the bedrooms, or one in the stairwell if the house is 2 stories. When placing outlets consideration should be given to obstacles (e.g. joists etc) in the ceiling.

It is not necessary to put an outlet in the centre of a room.

Do not install outlet vents for this product into the Kitchen, Bathroom or other areas of high moisture content.

The outlet vents should be installed at least one metre away from smoke alarms or motion detection units.

The outlet vents need to be opened at least 20mm.

Step 2: LAYING OUT THE DUCTING

Do not cut the ducting, if it is too long try to mount the blower unit or outlet vents to accommodate the full length or spread the ducting out in a large loop. Ensure there are no kinks, or tight bends – support (by suspending) if needed.

Step 3: INSTALLING THE MAIN FAN UNIT

Keep the main fan unit away from the bedroom area to keep any possible noise to a minimum.

The main blower unit is mounted by suspending it on the chain provided.

Ensure the unit is not touching anything in the ceiling cavity as this may cause noise or vibration when the unit is running.

The main blower unit needs to be mounted as high as possible (check the control cable and ducting will reach prior to mounting) in the roof cavity, as this will allow it to collect the warmest air in heat recovery mode.

Use the included 200mm wire securing ring in addition to the provided duct tape to ensure the permanent fitting of the ducting to the main blower unit.

Step 4: FITTING OF FILTER BAG (FV84)

The filter bag (FV84) is a tight fit and will need to be stretched over the front of the fan unit; the Velcro tabs will hold the bags in place.

Step 5: MAINS SUPPLY TO FAN UNIT

A power outlet needs to be installed by a registered electrical contractor in the ceiling next to the fan unit, and the unit plugged in using the supplied power cable and plug.

Any modifications to, or removal of this power cable will invalidate the warranty.

This unit contains sensitive electronic components that will be damaged by incorrect electrical installation.

Step 6: INSTALLATION OF CONTROL PAD

The included control pad and flush box should be installed in the hallway (or stairwell) of your home.

Run the supplied 5 metre control cable (with the push in connections on both ends) down the wall, this needs to be first plugged into the main unit, and then into the control pad. DO NOT cut, shorten, modify, or use any other cable – surplus control cable should be left in the ceiling cavity.

***Modification of the control cable will invalidate the warranty.**

There is no designated end to the control cable (i.e. either end can be plugged in at either connection).

ENSURE THE CONTROL PAD IS NOT IN DIRECT SUNLIGHT, OR NEAR A HEAT SOURCE SUCH AS A PANEL HEATER AS THE CONTROL PAD CONTAINS A TEMPERATURE SENSOR.

Note: The control cable supplied to connect the unit to the control pad should be kept as far away from mains voltage cables, light cable, power cables etc as possible and NOT coiled up.

