PRODUCT DATA SHEET

Product Code: FV4LCD
Product Description: 4 Outlet Home Ventilation System

Designed and built in NZ to suit NZ conditions

- Easy to install
- LCD Touch controller
- All parts are included
- Allows operator to control individual functions with ease
- Heat transfer and fresh air options
- F6 Box filter
- 3 Year Extended Warranty

Product Use	The FV4LCD is a full function 4 outlet home ventilation system Typical applications: • Suit any house size due to modular design of fan system.	
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	3196
	EMC Compliance	This is a Level One product with a brushless AC motor that has a very low risk of
	causing	EMC interference
General	Weight	6.6Kg
	Colour of front fascia	white
	Housing material	Poly Carbonate
	Cut-out size	156mm Dia
Ordering	When ordering, please give name and type reference:	FV4LCDHome Ventilation System
	Barcode:	942000490109-6
Product Documentation	Unit Instructions:	INS_FV4LCD
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 1.5mm²
	Total Product Wattage:	85 Watts
	Free Air Fan Performance:	928m^3/hr 258L/s

PRODUCT INSTALLATION STEPS:

Electrical Note: Weiss (NZ) Limited Insists that the mains electrical installation be completed by a registered electrical contractor.

Please ensure the electrical installation of this product complies with local wiring regulations.

1. Fit the mounting chain to the main fan body before moving it into the ceiling cavity. Be careful not to damage the filter when working on, or moving the main fan unit.

2. In a typical installation there would be 4 outlets in a 3 bedroom home. The bedroom outlets are normally fitted near the door (within 800mm) and the outlet in the living area needs to be positioned away from any seating so as not to cause a draft on anyone sitting in the room. 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.

3. Mark out the outlet vent holes from inside the ceiling cavity by measuring from the top plates and then creating a start hole by pushing a small screw driver through the ceiling. All vent holes must be cut from inside the house not from inside the ceiling. Use the cutting tool provided and be careful not to mark the ceiling.

4. Fit the 150mm ducting to the outlet vents and tape together with 2 turns of duct tape.

5. Cut the vent holes with the hole cutter from inside the house and then feed the ducting up through the hole and screw the outlet vent in place with the 4 8# x 5/8 screws provided.

Cut hole for the LCD controller flush box. This need to be cut horizontality to the exact size of the flush box or the touch screen fascia will not cover the hole you have cut. ENSURE THE CONTROL PAD IS NOT IN DIRECT SUNLIGHT, OR NEAR A HEAT SOURCE SUCH AS A PANEL HEATER OR FIRE AS THE CONTROL PAD CONTAINS A TEMPERATURE SENSOR . This sensor is used as a room sensor. The backlight turns off after no keypad activity for 60 seconds. **Over tightening** of the touch pad will put pressure on the touch screen and interfere with the operation of the controller possibly causing the controller to beep intermittently, some buttons may not work at all or only work intermittently or the screen may **break.** DO NOT cut, shorten, modify, or use any other cable – surplus control cable should be left in the ceiling cavity. 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 and TV aerial cables etc as possible and NOT coiled up.

"Data fault" means there is a faulty cable or cable connection between the main control board and the touch screen

6. Hang the fan in a position central to the outlets but **away** from the bedrooms and main living area.
7. Use the chain provided and fit the shock cord shock absorbers provided. Hang the unit in a level position ensuring it cannot touch ANY thing within the roof cavity. Use the screws and the washers to secure the chain to the rafters. Ensure that the screws are tight on the washers and the washers are tight on the chain; also remove any unused chain links as these will rattle as the fan changes speed.

8. Make a permanent connection to the mains power in the ceiling and connect to the fan. Make sure the circuit you have cut into is not controlled. THE ELECTRICAL INSTALLATION MUST COMPLY WITH ALL LOCAL ELECTRICAL REGULATIONS. A single fan system with no duct warmer draws a maximum of 90 watts.

9. This unit contains sensitive electronic components that will be damaged by incorrect electrical installation or testing with a mega or any outer hi output test equipment. This will **invalidate any warranty.**

10. Fit and tape all adaptors together using 2 full turns of tape for each connection. Ensure all tape is firmly sealed to adaptors and/or ducting and then pass up into the ceiling cavity

11. Pull all ducting back to the fan unit, It is important to keep all ducting as straight as possible and of equal length. Tight bends and long or unequal lengths of ducting will affect air flow and the performance of the system. Tape ducting to adaptors with 2 full turns of tape. Ensure all tape is firmly sealed to adaptors and/or ducting.

12. Use the short 200mm ducting to connect the adaptor assembly to the fan unit. These 2 joints need **3 turns** of tape per joint and a cable tie or wire clamp on the fan end.

13. Check airflow to all outlets. It must be even, adjust ducting lengths and position and bends if necessary to get even and consistent flow to all outlets, set all outlets 20mm open before testing.