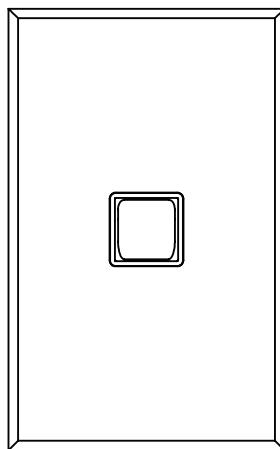
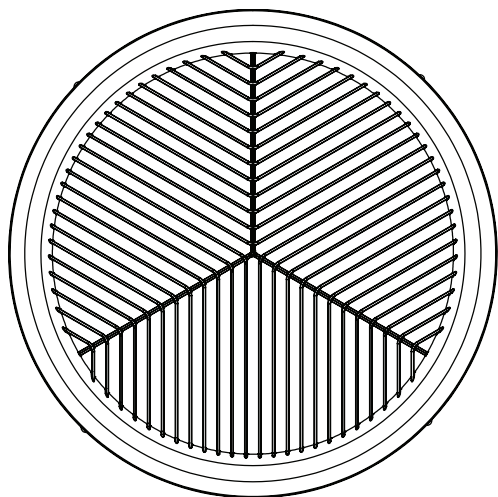


# Odyssey<sup>®</sup>

## Operation Manual



This operation manual is for the Odyssey H1800 Series Ventilation System.

## Safety Precautions

- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
  - Children should be supervised to ensure that they do not play with the appliance.
  - The system is not designed for use in areas contaminated with oil vapour from cooking or other oils. Oil vapour may cause crack damage, electrical failure or fire.
  - High strength magnets are used in the grille. Ensure these are not removed or left near children.
  - Do not touch the exposed ventilator rotor. The unit can switch to power mode automatically when in operation.
  - Always switch the system off when performing cleaning or maintenance.
  - Never disassemble the controller or ventilator motor as they contain hazardous voltage.
  - Do not block air inlets or outlets.
- Do not modify the system or any of its components.
- - **CAUTION:** In order to avoid a hazard due to inadvertent resetting of the thermal cut-out, this appliance must not be supplied through an external switching device, such as a timer, or connected to a circuit that is regularly switched on and off by the utility.

## Quick Start Guide

Once the system has been installed and connected according to the installation manual it should be ready for operation.

To start using your Odyssey system simply:

- 1 Turn on the mains power supply to the system.
- 2 Change the control switch from off to on.

## The Odyssey System

The Edmonds Odyssey allows the home owner to utilise the natural differences between internal and external temperatures to effectively cool, dry and freshen a building with minimal energy costs. It consists of a hybrid (natural and electrically powered) roof ventilator ducted to a ceiling grille for living space air removal.

The system is controlled by the user, which allows them to decide when is the best time to ventilate the living space.

During the warmer months Odyssey can cool and remove energy from a building mass throughout the night. This creates a more comfortable environment for the next day as the building is now capable of absorbing more energy before becoming uncomfortably hot.

During the colder months, Odyssey can be used to maximise the ventilation throughout the building, which greatly reduces moisture levels and therefore the chance of condensation from occurring. This reduces the likelihood of mould growth, and creates a dry fresh building environment.

It is recommended that the user opens the windows when the Odyssey system is turned on.

## **Maintenance**

The Odyssey System requires little regular maintenance other than cleaning of some items described below.

### **Ceiling Grille**

The ceiling grille is held magnetically to allow removal for cleaning. Simply pull the grille downwards and it will detach from the grille frame.

The grille can then be cleaned with a brush or vacuum cleaner. It should not be immersed or sprayed with water as the magnets on the reverse side can be damaged or corrode.

Re attach the grille to the grille frame, ensuring that all 4 magnets are in place.

### **Roof Mounted Ventilator**

After storms or other high wind events, the roof mounted ventilator should be checked to make sure that no debris is in contact with the rotating parts.

## FAQ & Troubleshooting

**Q:** How do I know the system is operating?

**A:** Due to its quiet operation it is difficult to hear the unit running.

Apply power to the system and standing near the grille try to feel the air moving. If this is not noticeable then take a piece of paper and place it near the grille.

There should be sufficient airflow to suck the paper up against the grille.

Problem	Possible Actions
System not running	Check power is on and all electrical connections are secure
Water leaks when raining	Check installation integrity of ventilator on roof Re-seal around edge of flashing if required

## Technical Data

### Ventilation System

Type:	Free air cooling & ventilation system
Nominal system diameter:	400 mm
Model Number:	ODY400-D-H1800
Electrical:	240 VAC 50 Hz Max. 55W

### Ventilator

Type:	Hybrid (natural & powered) backward curved centrifugal
Inlet Throat nominal diameter:	400 mm
Turbine/Impeller diameter:	562 mm
Flow Rate @ $\Delta p_s F=0$ :	1800 m <sup>3</sup> /hr
Motor:	Electronic Commutating (EC) brushless motor
Motor Voltage:	240 VAC 50 Hz
Material:	Housing & Rotor: Plastic (ASA, ASA/PC & PPS) Flashing & Collar: Soft Aluminium
Weight:	9.21 kg

### Ducting

Type:	Flexible metallised polyester film with helix wire support.
Diameter:	400 mm
Length:	2 m
Colour:	Black internal, reflective foil external

### Ceiling Grille

Type:	Return air grille with removable grille
Diameter:	400 mm
Material:	Grille & Grille Frame: Plastic (ASA) Ceiling Clips: Plastic (PA6-GF30)
Weight:	1.06 kg

## Contact Details

### General Enquiries and Support

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