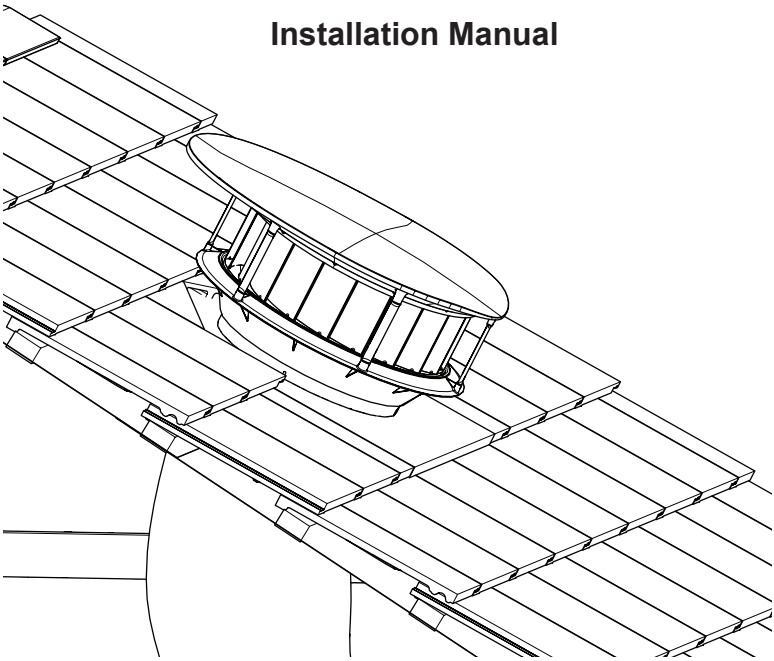
Odyssey

Installation Manual



This installation is for the Odyssey H1800 Series Ventilation System.

This installation is limited to roofs with pitches between 3° and 35°.

This instruction assumes that there is a power outlet located within reach of the Odyssey system in the roof. If there is no power outlet within reach then the installation of a power outlet must be carried out by a licenced electrician.

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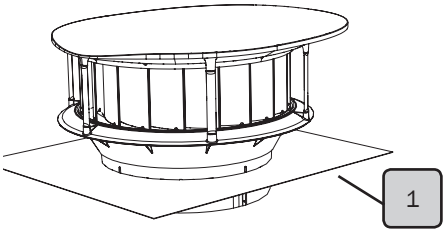
Item Checklist & Additional Tools Required For Installation

Included Parts:		Qty:
1	Ventilator	1
2	Ducting	1
3	Grille	1
4	Ducting Collar	1
5	Control Cable Adaptor	1
6	Control Cable	1
7	Control Switch	1
8	Mains Power Cable	1
9	Duct tape Roll	1
10	Installation Manual	1
11	Operations Manual	1
12	Warranty Document	1
13	Fasteners Pack	1
Optional Parts:		**Qty:**
13	Ducting Extension Kit	-

Additional Parts & Tools Required (Not Supplied)

Soft Rubber Hammer	10g Tek Screws or Sealed Rivets
Roof Sealant & Caulking Gun	Nibbler or Similar Cutting Tool
Cable Ties	Plasterboard Saw
Cordless Drill & Screwdriver	Timber Saw
Marker Pen	Phillips #2 Hand Screwdriver
Knife	25mm Hole Saw
Hand Rivet Gun	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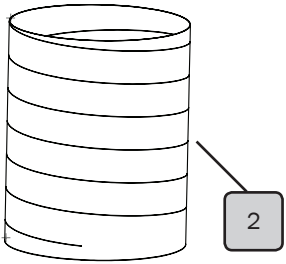
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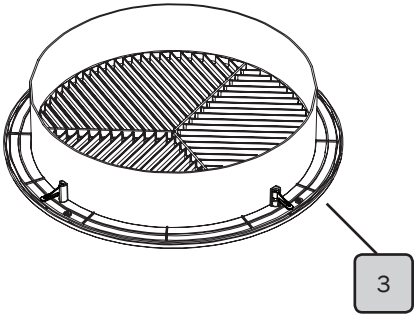
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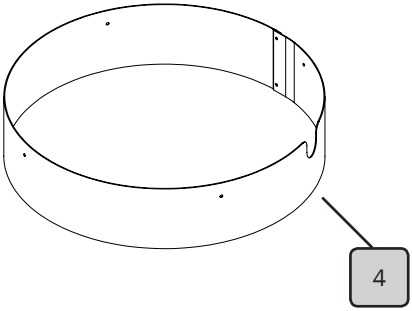
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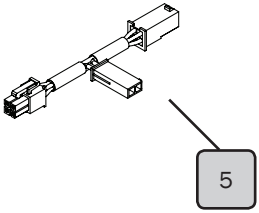
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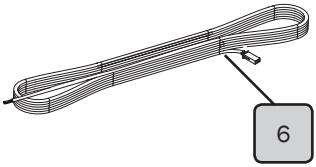
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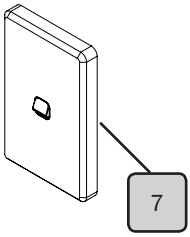
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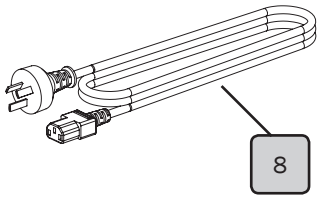
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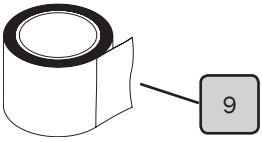
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Warnings and Important Notices

WARNING: ***Do not proceed with the installation until you have read the entire instructions, including these warnings.***

INSTALL AT YOUR OWN RISK

The installation of this product may be dangerous and includes the potential of death, personal injury or property damage. Please be aware of the following before installing this product.

- Follow any state or territory regulator OH&S guidelines for working at height (e.g. Roof work), electrical, working in elevated temperatures (e.g. ceiling space in summer).
- Installation requires climbing and working at heights. Use caution to minimise risks by:
  - Clearing the area below the workspace
  - Not walking on surfaces that are slippery, wet or dusty
  - Using appropriate equipment (tie off ladders etc.)
- DO NOT attempt to install if you are uncomfortable with working at heights or on sloping roof surfaces
- There are sharp edges on the flashing, cut tiles, roof sheeting etc. Take care and wear personal protective equipment when handling and installing products
- Be aware that the Odyssey once connected to mains power may start at any time. Do not connect the unit to mains power until the installation is complete.
- DO NOT attempt to put anything into the running turbine as this many cause personal injury and/or damage to the unit.
- Be aware of electrical conductors in the roof. If there is any sign of risk isolate the power before entering the roof space. Be aware that there mau be electrical power supply that cannot be isolated such as mains supply and solar supply. Note if these are in the roof space and avoid.

Warnings and Important Notices

- Be careful to determine if the installation may disturb Asbestos. If it will or you cannot determine the make up of the building material then the installation should be completed using asbestos handling procedures by a person trained and/or licensed to handle asbestos.

IMPORTANT NOTES

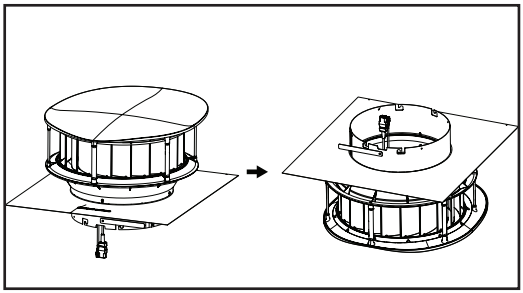
- Odyssey is designed for general household ventilation only. DO NOT use to exhaust hazardous or explosive materials and vapours.
- DO NOT use in areas contaminated with oil vapour from cooking or other oils. Oil vapour may cause crack damage, electrical failure or fire.
- The Odyssey has an unguarded turbine assembly. DO NOT use in locations readily accessible to people or animals.

Pre - Installation - *Fit Ducting Collar*

STEP 1

Take the ventilator from the box and turn upside down. Cut the cable tie that holds the bundled motor cable.

Take the loose ducting collar and fixing rivets from the box.

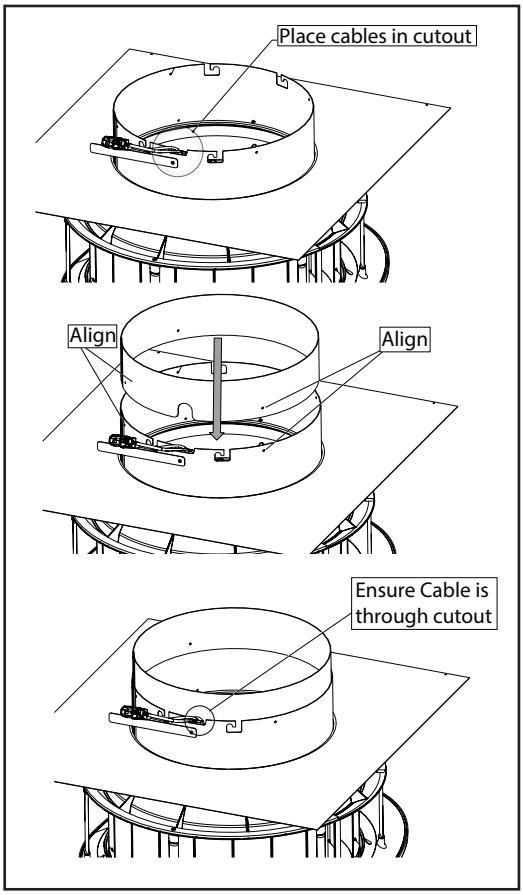


STEP 2

Insert ducting collar inside of the prefit collar on the ventilator flashing.

Pass the cables through the cutout at the front.

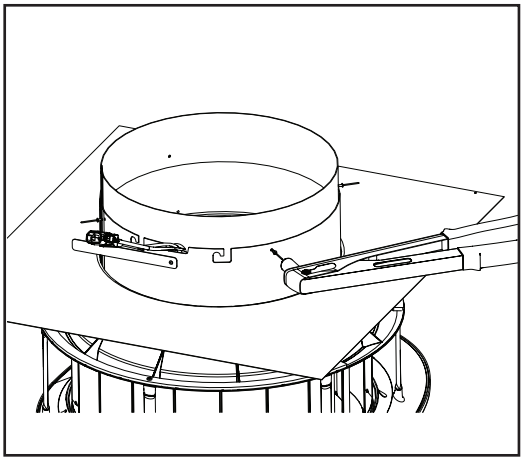
Align the pre-cut rivet holes.



Pre - Installation - *Fit Ducting Collar*

STEP 3

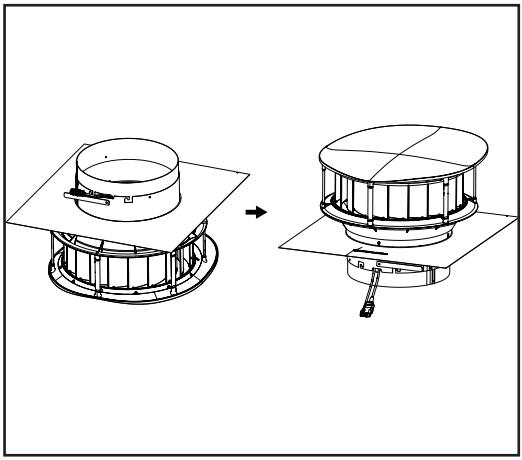
Using a hand rivet gun, set the 4 supplied rivets in place.



Ensure that the cable has been passed through the opening before fixing the collar.

STEP 4

The ventilator unit is now ready to be installed.

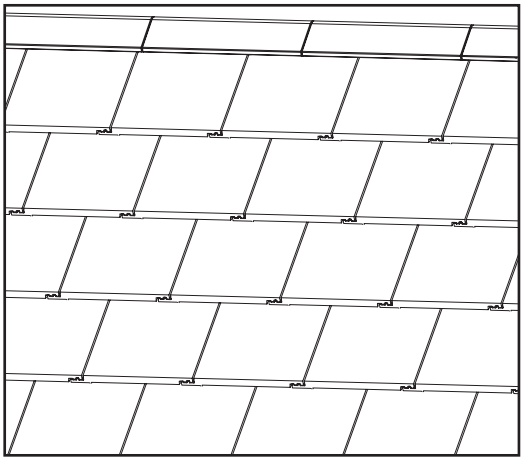


Installation - *Tiled Roof*

STEP 1

Select a suitable position for the ventilator on the roof no higher than the third row of tiles down from the ridge, keeping in mind that the ceiling grille needs to be installed in the ceiling almost directly below.

It is also recommended that the ceiling grille be installed somewhere near the centre of the building, away from windows or other openings.

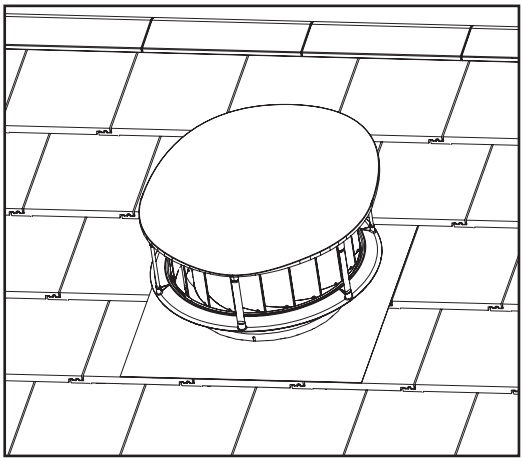


The removal of a tile higher than the third row down from the ridge may damage the ridge tile pointing and is NOT recommended.

STEP 2

Position the ventilator in the desired location to determine which tiles need to be removed or cut.

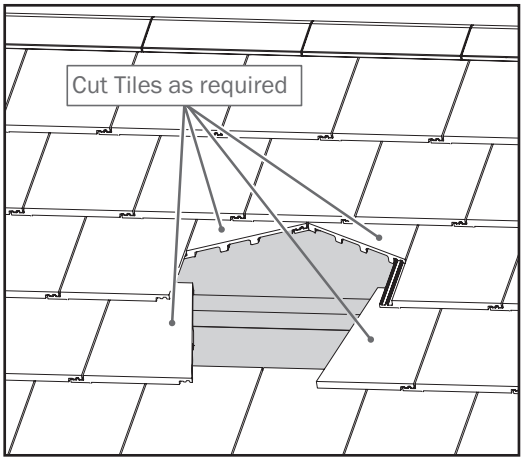
Mark out position and tiles to be removed or cut.



Installation - *Tiled Roof*

STEP 3

Remove any complete tiles as required and also cut parts of tiles to enable the collar to pass through the roof.

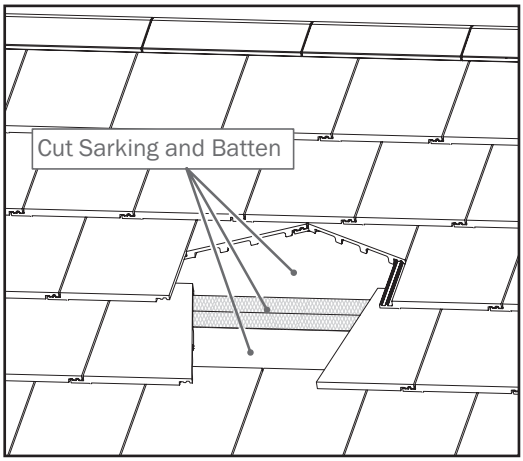


STEP 4

Cut & remove a section of tile batten to clear the ducting collar as shown.

If the roof is sarked, cut sarking in a cross and fold back to give a 410mm opening.

Tape the corners to the surrounding sarking with foil tape to prevent them fouling the ventilator.

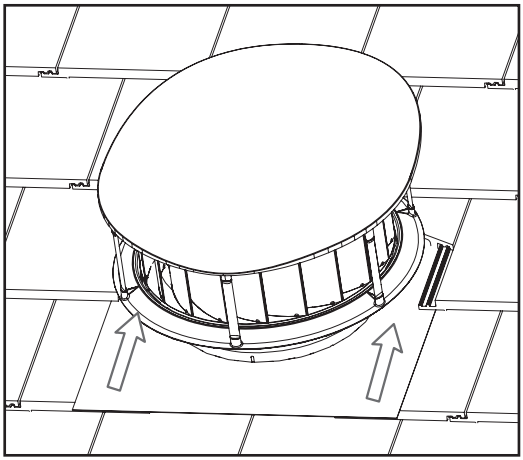


Installation - *Tiled Roof*

STEP 5

Fit the ventilator into place and ensure surrounding tiles are fitted securely.

Note that the longer side of the rain cowl/ cover should be pointing towards the ridge of the roof.

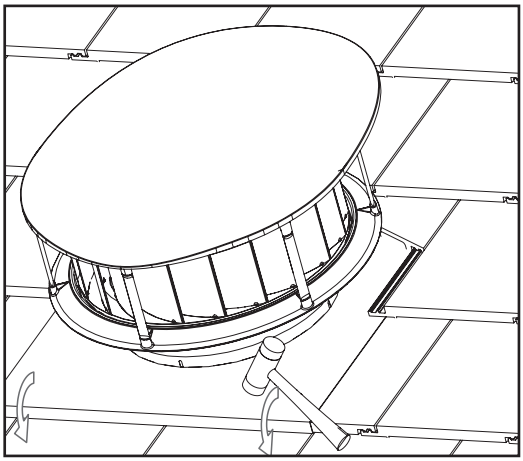


Take care to ensure the ventilator cables are passed through safely down towards the lower side and not caught on any sharp edges.

STEP 6

Fold and form the front edge of the flashing to seal against the tiles below.

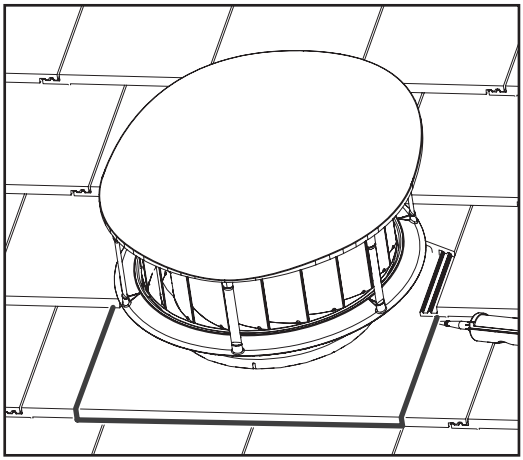
Using a soft hammer, carefully dress the front and sides of the flashing into the shape of the tiles.



Installation - *Tiled Roof*

STEP 7

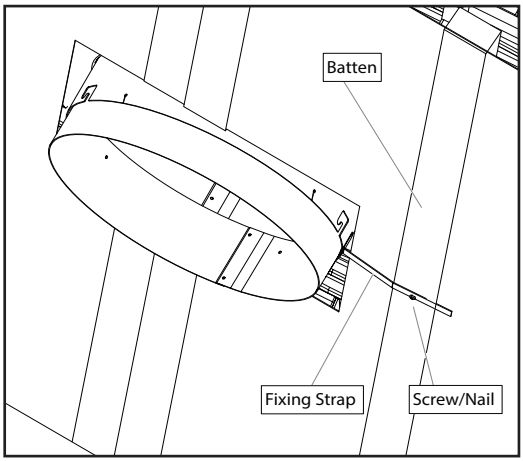
To ensure a weatherproof installation, apply a bead of silicone between the tiles and the side and front edges of the flashing.



STEP 8

From within the roof space, pull the aluminium fixing strap that is attached to the ducting collar across to the batten near the bottom side.

Screw or nail fix the strap to the batten to securely hold the ventilator down.



Turn the rear edge of the flashing upwards to seal against the tile above and to form a water gutter.

PROCEED TO STEP 16

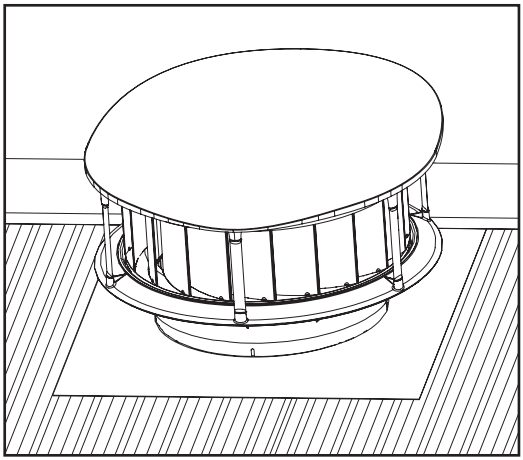
Installation - *Metal Roof*

STEP 9

Select a suitable position for the ventilator, keeping in mind that the ceiling grille needs to be installed in the ceiling almost directly below.

It is also recommended that the ceiling grille be installed somewhere near the centre of the building, away from windows or other openings.

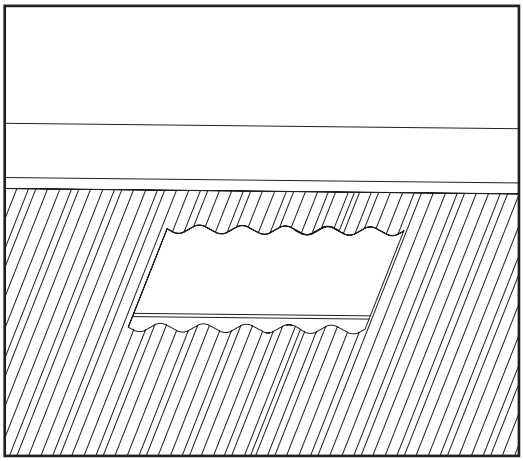
Slip the top edge of the flashing under the ridge cap and mark position.



Ensure that the flashing covers the roof corrugations or ribs equally and that it is located between roof rafters.

STEP 10

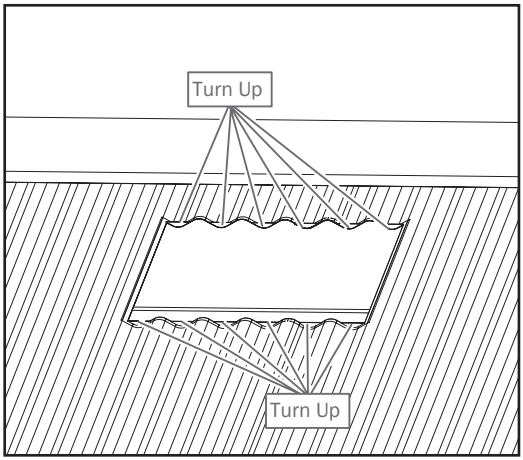
Remove the ventilator and cut a 410mm square hole around the centre of the position marks.



Installation - *Metal Roof*

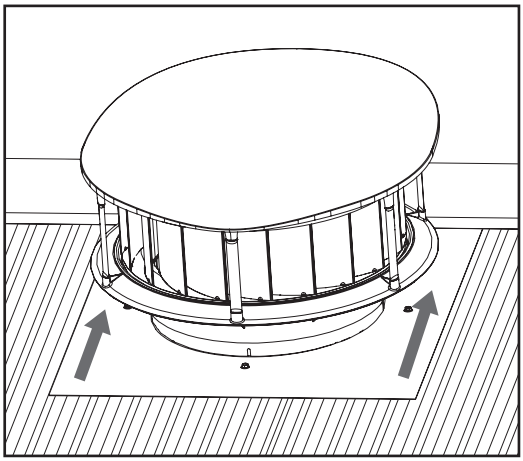
STEP 11

Turn up the corrugations or pans on both the low and high sides.



STEP 12

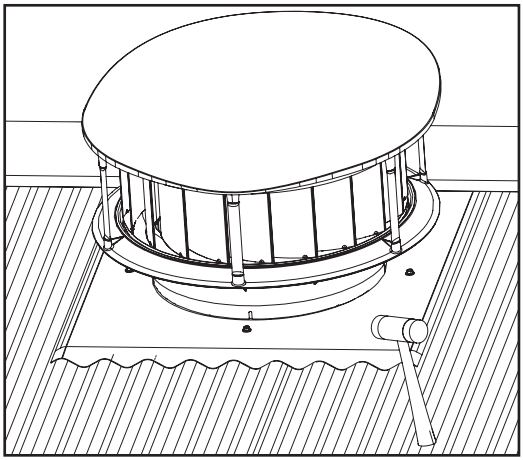
Place ventilator into position and temporarily fix with 4 Tek screws.



Installation - *Metal Roof*

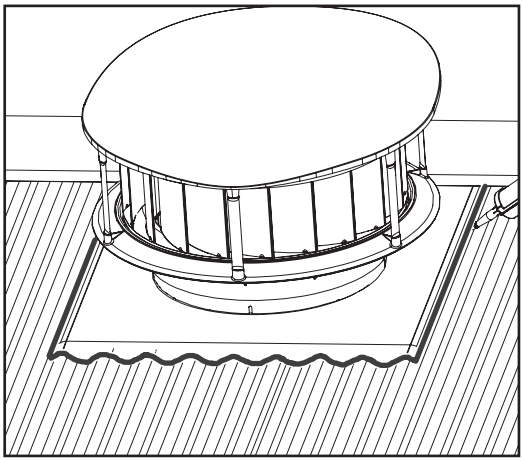
STEP 13

Using a soft rubber hammer, carefully form the flashing into the corrugations of the metal sheet profile at the lower edge and sides.



STEP 14

Remove screws and lift flashing to run a bead of silicone along the underside of the flashing along the lower and side edges shown.

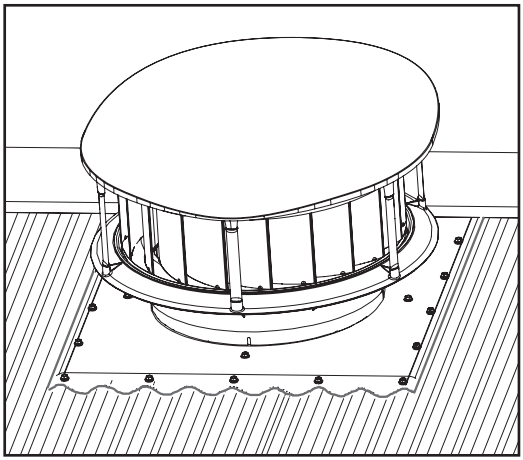


STEP 15

Secure the flashing to roof sheeting with at least 13 Tek screws or sealed rivets along the lower and sides edges shown.

Additionally fix 4 Tek screws or sealed rivets evenly spaced around the opening.

Ensure that ridge cap is also re-secured down with suitable screws.



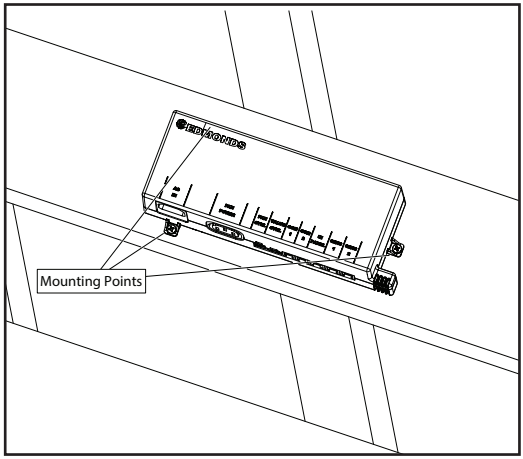
PROCEED TO STEP 16

Ducting & Controller Installation

STEP 16

Fix the controller to a piece of structure that is within reach of the ventilator cables.

Using the three mounting feet and supplied screws, screw fix the controller ensuring that the connectors are facing down.

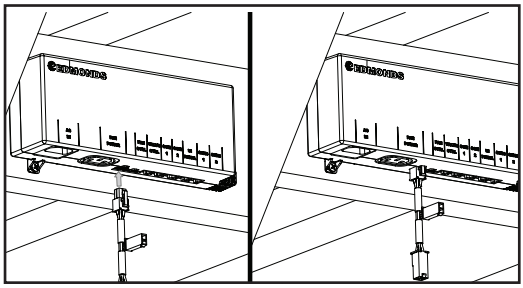


Ensure that the Odyssey ventilator cables can reach the controller.

Facing the controller down ensures that dust and debris cannot accumulate in any of the sockets.

STEP 17

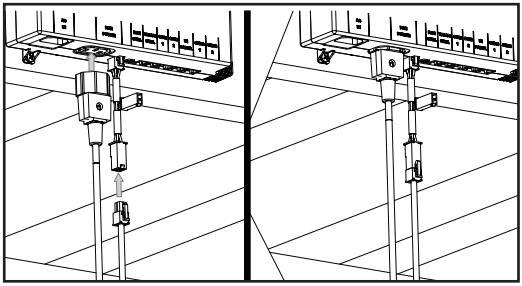
Connect the control splitter cable to the Fan Ctrl port on the controller



Ducting & Controller Installation

STEP 18

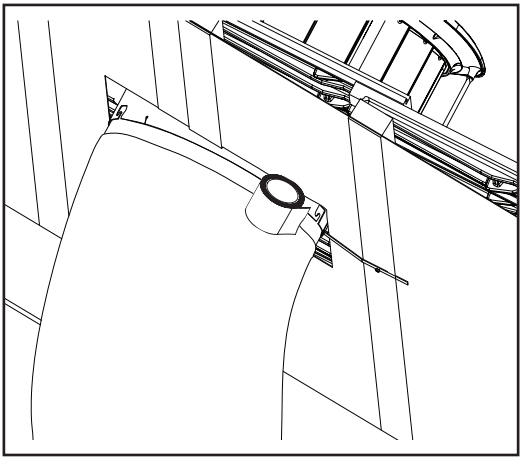
Connect the Odyssey ventilator cables to the controller.
The mains cable plugs into the Fan Power port and the control cable plugs into the control splitter cable.



STEP 19

Slip the ducting onto the ducting collar that is protruding into the roof cavity.

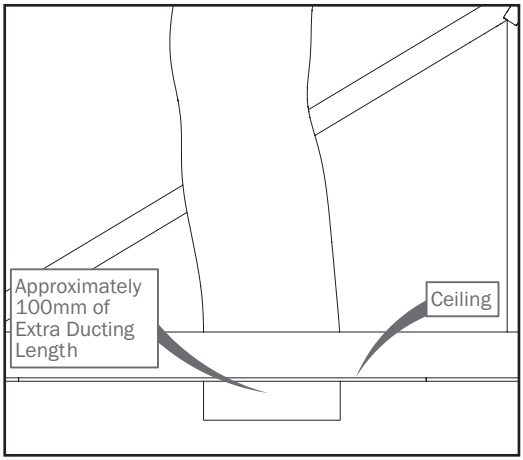
Fix with duct tape.



Ensure the ducting is adequately connected to the collar.

STEP 20

Cut the ducting to length so that approximately 100mm of ducting can hang down past the ceiling level.

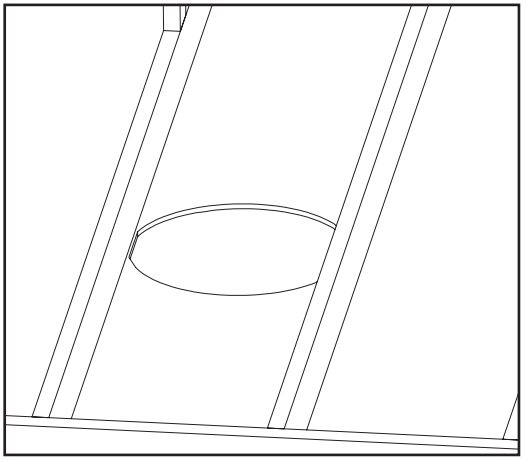


STEP 21

Locate the position for the ceiling grille from the roof space. Using a small drill or nail put a small reference hole through the ceiling to mark the center point.

From beneath the ceiling use the supplied cardboard template (piece of packaging) to mark out the shape of the cut.

Using a suitable saw cut out the hole



Ensure that the cut out clears ceiling joists and any pipes or electric cables.

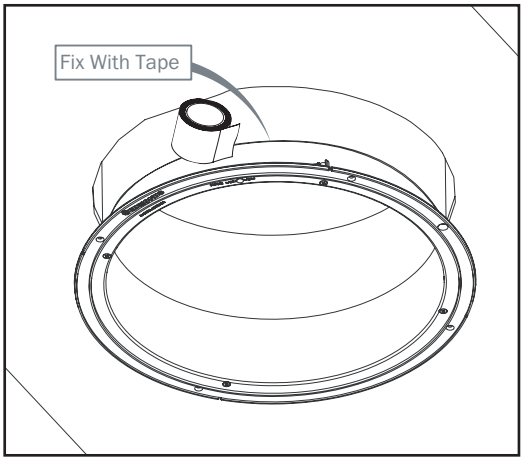
Valve, Ducting & Grille Installation

STEP 22

Drop the ducting down through the cut out so that it hangs down approximately 100mm.

Slide the collar of the ceiling grille frame half way into the ducting.

Secure the ducting to the collar using supplied duct tape.

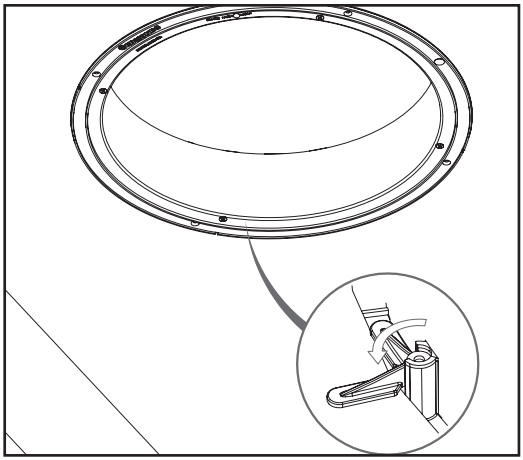


Ensure that the ceiling grille frame clip mechanisms are clear of ducting and duct tape.

STEP 23

Place the ceiling grille frame into hole cut out, ensuring that the clips are rotated so they sit along-side the collar.

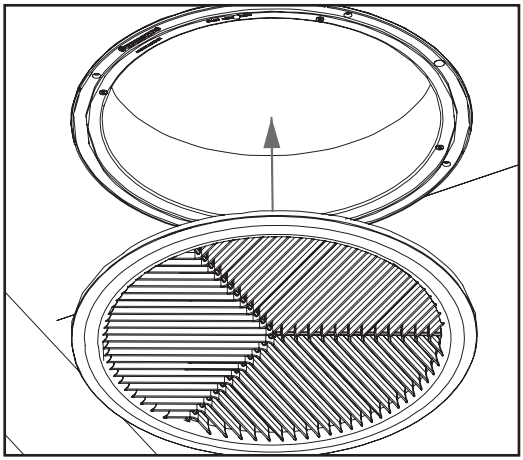
Using a Phillips screwdriver rotate the clips so they rotate out over the ceiling material, and then tighten until they clamp onto the ceiling.



If the ceiling is too thick use the alternate fixing holes that are provided.

STEP 24

Fit the ceiling grille to the ceiling grille frame.



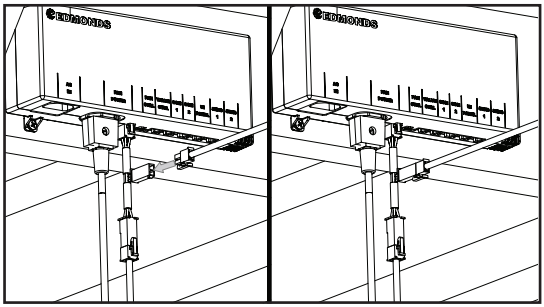
The ceiling grille is held in place by magnets and must be fitted so that it aligns with notches in the frame. The grille can be rotated until it fits into these notches and then the magnets should securely hold it in place.

Switch Installation

STEP 25

Connect the system control cable to the splitter on the controller.

Run the cable down the wall to the location where the wall switch is to be installed

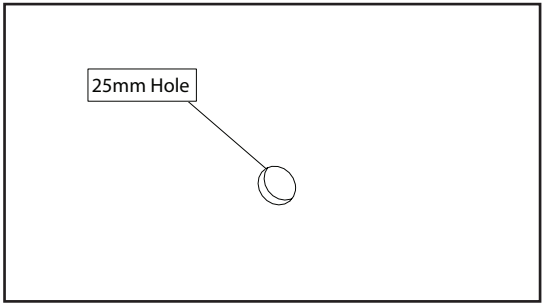


The cable can be connected after its has been run through the wall.
Ensure the cable end with the plug remains in the roof space

STEP 26

Select a suitable location to install the switch.

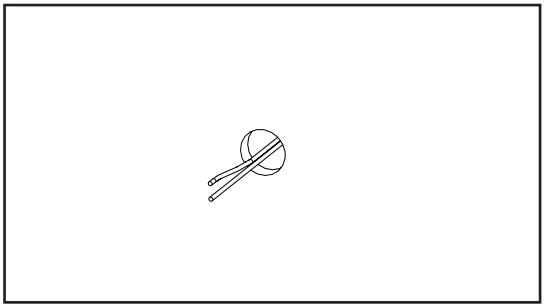
Cut a 25mm hole in the wall.



Switch Installation

STEP 27

Fish the previously run cable througjh the hole in the wall.



STEP 28

Install the cable into the switch as per the diagram.

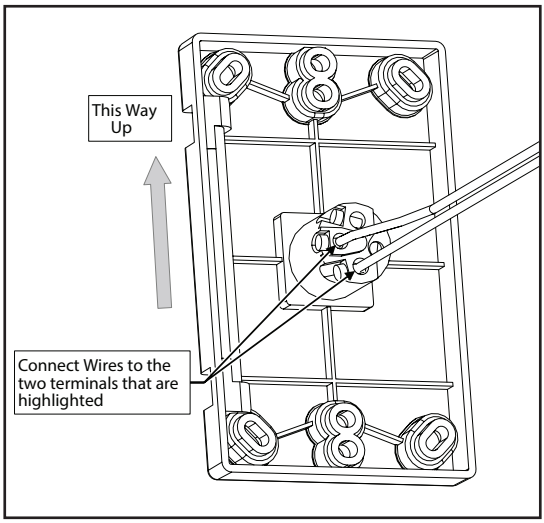
The wires will go into the common and the lower terminal.

It does not matter which cable goes into which terminal.

IMPORTANT NOTE:

The cable carries a maximum of 10VDC only.

DO NOT CONNECT SWITCH TO MAINS POWER

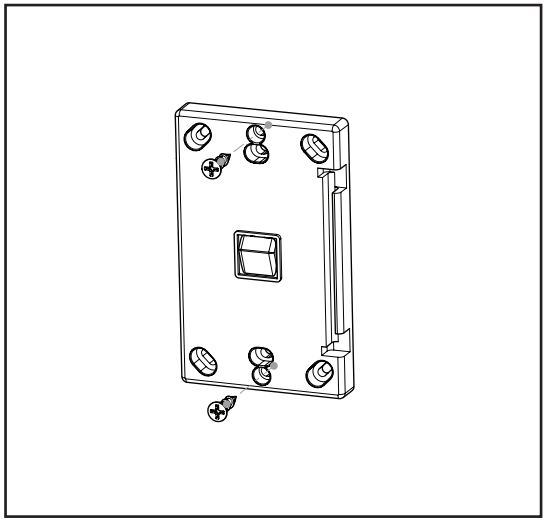


Switch Installation

STEP 29

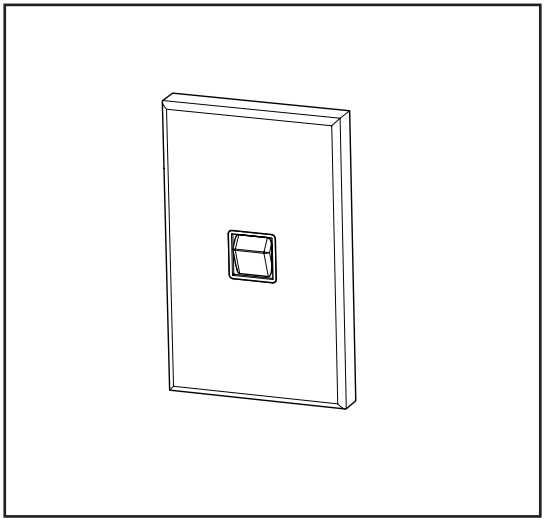
Fix the switch to the wall using the supplied plasterboard suitable screws.

If using a mounting block than use the screws supplied with the switch itself.



STEP 30

Fit the cover plate to the switch.

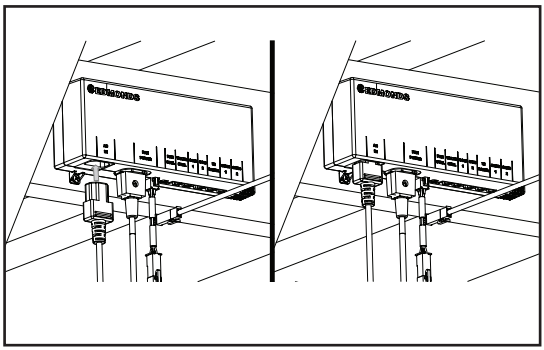


Controller Connections Details

STEP 31

Ensure the ventilator unit is clear of debris.

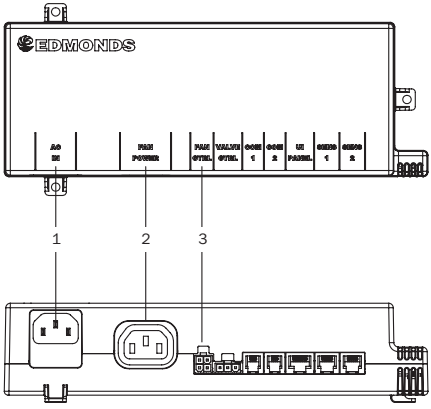
Connect the 240V mains power cable to the controller. Turn on mains power if required



Installation is now complete. Turn on the control switch and confirm unit is running.

CONNECTION DETAILS

If trouble shooting, then use the below connection details to confirm the cables are connected correctly



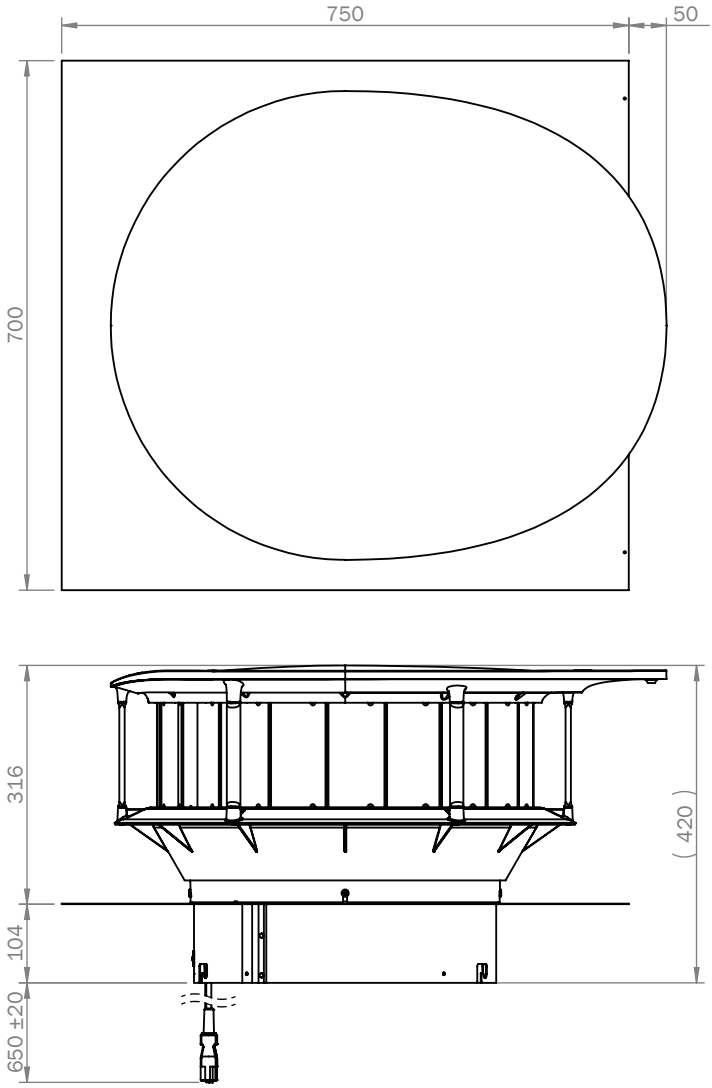
1 240VAC Power In

2 Ventilator Power Cable

3 Ventilator Control Cable

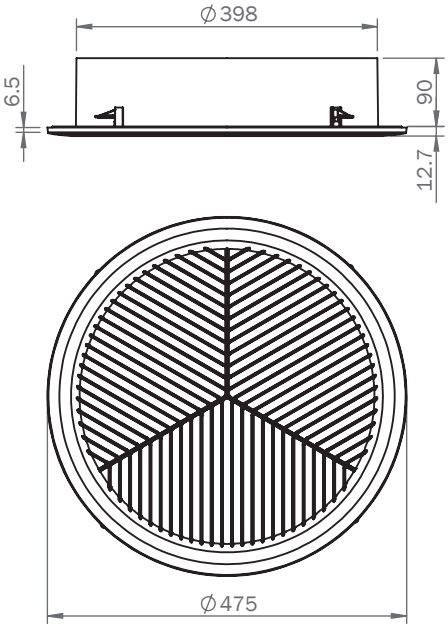
Product Dimensions

Ventilator



Product Dimensions

Ceiling Grille



Technical Data

Material:

Ventilator:	Plastic (ASA & PPS-GF40)
Grille:	Plastic (ASA)
Controller:	Plastic (PC-V0)

Weight:

Ventilator:	9.21 kg
Grille:	1.06 kg

Electrical:

Input:	220-240VAC 50Hz Max:55W

Contact Details

General Enquiries and Support

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Email:	sales@edmonds.com.au
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Technical Ventilation Enquiries

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I-053-0

odyssey.com.au

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