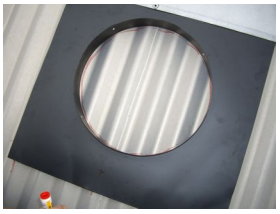
Installation instructions Metal Roof

1. Remove Flashing from housing.

2. Locate position for Solar Whiz underneath ridge cap – if possible. Alternatively find a suitable spot as close as possible to the apex for maximum efficiency of the Solar Whiz unit.

3. Remove roofing screws in capping and covered by flashing.

4. Mark hole on roof – and exact position of roofing screws on the flashing.



5. From inside the roof space – check planned position. E.g. by putting a tech screw out through a corrugation peak.

6. When inside roof space – you may also position the optional thermostat (if applicable)

7. Once the position is confirmed – use tin snips to cut the hole for the flashing.

8. Place flashing base and hold in place by using a tech/roofing screw. Trick – Use the outside of the tin snips to secure a snug fit between the flashing and the roof.

9. Cut notches of bottom of flashing to suit corrugations on roof profile. Form the flashing to fit into the valleys. Alternatively, you may use infill strips and button head/wafer head screws.

Installation instructions Metal Roof

10. Silicone sides of flashing and peaks of corrugations. Do not fill in the valleys. If you have not placed the top end of the flashing under the ridge line – ensure this end is sealed well with silicone.

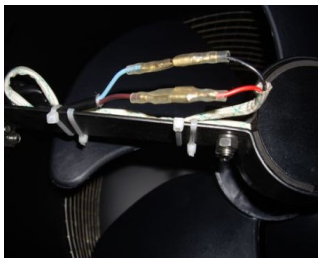
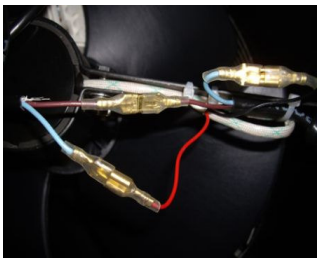

11. Place button head (or tech screws) along the edges and on peaks of corrugations. If you have not placed the top end of the flashing under the ridge line – screw the flashing down on the peaks of the corrugations as well. Trick – Put silicone where the screws are going through the flashing to protect against water penetration.


12. Put screws close to the base on both sides of the Solar Whiz unit to minimise the risk of vibration when the fan is operating.

13. Secure aluminium straps onto battens and fold over flashing. Place the Solar Whiz unit over the flashing and orientate it towards the north (or you alternative choice of direction, e.g. northwest).


14. Use the predrilled holes in the fan housing for guiding the self cutting screws to fix the fan housing to the flashing. For extra strength, also put a screw through where the aluminium straps sits between the fan housing and the flashing.


15. If a thermostat is fitted—connect the thermostat. The thermostat is connected by separating the brown and the red fan wires and inserting the thermostat in the loop. The red fan wire is connected to the blue wire from the thermostat and the two brown wires are also joined. Should the wiring become undone on your adjustable thermostat the blue wire goes to terminal 1 and the brown wire to terminal 3.

Standard With thermostat

16. Position thermostat about 500 mm below the roof. The average temperature setting for best results is around 28Cº. For low pitched roofs maybe around 26Cº. Temperature will also depend on the position of the thermostat. There is no hard and fast rule—so experiment.

17. Your Solar Whiz is now fully operational and will start operating – if there is sun on the PV panel (and the thermostat setting doesn't prevent it from operating).

Eave Grills

For metal roofs and/or sharked (i.e. Sealed) roofs spaces, we highly recommend a minimum of 4 eave grills to ensure adequate supply of replacement air. Eave grills are available from GES or specialist ventilation suppliers.

Congratulations on completing the installation and enjoy your Solar Whiz!