

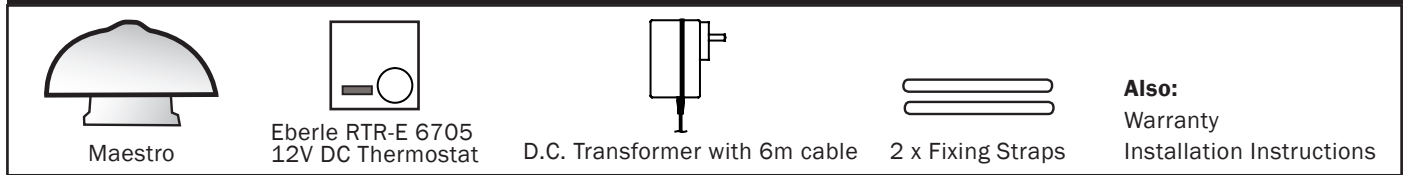
# INSTALLATION INSTRUCTION

## Maestro

### PRIOR TO INSTALLATION

- Check all components are in the carton.

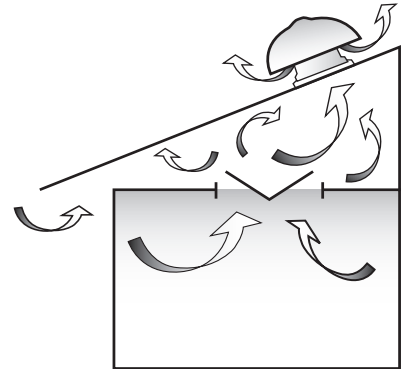
### CONTENTS OF CARTON



Maestro is an extremely energy efficient and reliable roof ventilator used to extract hot, humid or moist air from the roof space, allowing it to be replaced by cooler, fresh air. This helps prevent roof space temperatures from reaching extreme levels in summer, thereby improving the efficiency of insulation, and resulting in a more comfortable home. The unit's extraction rate is equivalent to up to three wind-powered ventilators. The Maestro is available in 2 models, a 12V DC (low voltage) or Solar unit.

To achieve adequate ventilation it is imperative to provide adequate opportunity for replacement air to enter the roof space, as shown in Fig 1.

**It is recommended that at least 2 Whirly Mate ceiling grilles or at least 8 under eave vents be installed evenly around the home for each Maestro.**



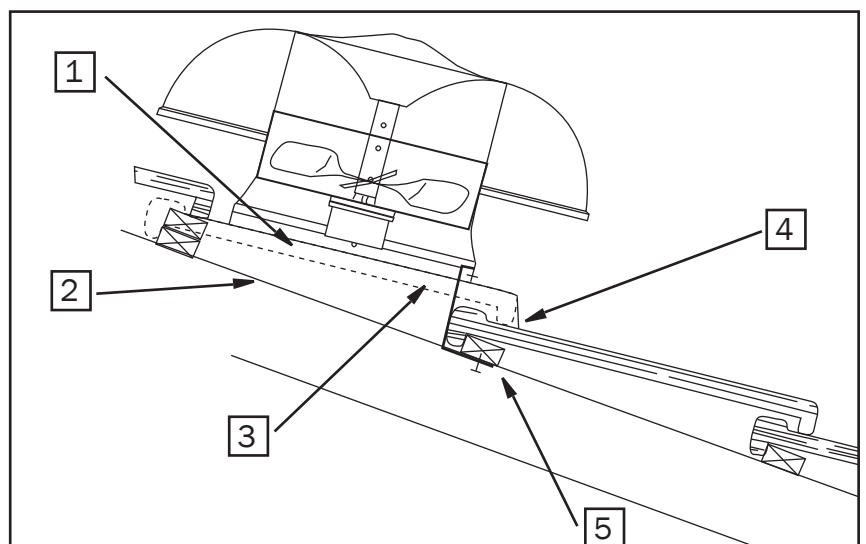
Selection of the number of Maestro's and their location on the roof will depend on the characteristics of each problem and the size of the roof area to be ventilated. However, one Maestro power vent can provide adequate ventilation for a 20 square (180m<sup>2</sup>) home. Locate the Maestro(s) evenly around the roof to give the best results.

### IMPORTANT NOTICE

- The Maestro is designed for general household ventilation only. **DO NOT** use to exhaust hazardous or explosive materials and vapours.
- The Maestro has an unguarded fan assembly. **DO NOT** use in locations readily accessible to people or animals. The fan is intended for use facing an unoccupied space only.
- The 12V DC model is designed for **LOW VOLTAGE USE ONLY** and must **NEVER** be connected direct to mains power. Always use the 12V power pack supplied.
- Instructions for wiring the thermostat should be followed precisely.
- It is recommended that the Maestro be installed on roof slopes no greater than 45 degrees, as water ingress can occur on steeper gradient roofs.
- **DO NOT** use this Maestro with any solid state speed control.

### TILE ROOF INSTALLATION

1. Select the appropriate position for the vent. Remove a tile from the third row down from the ridge cap. The removal of a tile higher than this may damage the integrity of the ridge tiles and is NOT recommended.
2. If the roof is 'sarked', cut sarking in a cross and fold back corners to give a 300mm square opening.
3. Take the flashing and push it under the tiles above the opening created in the roof, centre the vent over the opening. Dress the flashing into the shape of the tile.  
**Note:** Silicone can be used to ensure installation is weatherproof.
4. Turn bottom edge of flashing down to seal against lower tile.
5. From inside the roof, hook the fixing strap supplied over the edge of the base flashing and nail or screw fix it to the bottom batten.

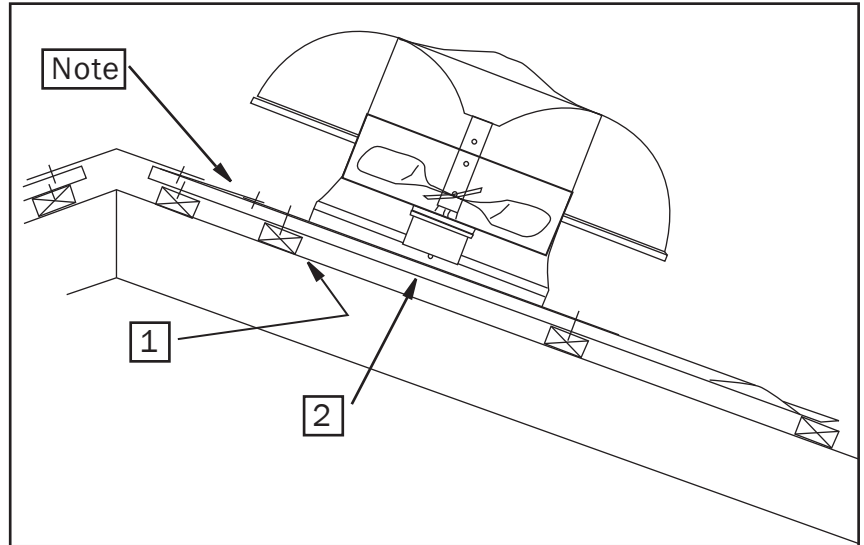


# INSTALLATION INSTRUCTION

## Maestro

### METAL ROOF INSTALLATION

1. Select the appropriate position for the vent. Place the flashing with top edge slipped under the ridge capping. Ensure the flashing covers the corrugations or ribs equally and is located between the roof joists.
2. Mark the centre of each side to determine where the centre of the vent will be. Mark a 300mm circle using the centre mark. Cut hole. Turn up corrugations or pans of the roof sheeting around the opening.
3. Place Maestro on metal roof over the opening and carefully dress sides and bottom edge of flashing into the corrugations. If the Profile proves to be difficult an INFILL that matches the roofing profile can be purchased & used on the bottom edge of the flashing to achieve a weatherproof seal.



4. Run a small bead of silicone along the under side of the flashing & secure the flashing with self-tapping screws or rivets. These are NOT included in the kit (approximately 8 are required).

**Note:** When a ventilator is required to be installed further down the roof & the top edge of the flashing is exposed, a flat flashing with turned down sides should be installed over the top edge of the vent flashing & extended back to the highest point under the ridge capping. Failure to install the ventilator using the back flashing may result in water ingress.

### ELECTRICAL CONNECTION

#### OPERATION

The Maestro motor has a rating of 1 amp with power consumption of 11W at 12V DC. The Maestro is supplied with a 12V 1.5 Amp power pack. The Maestro can be operated manually (via a two-way switch) or wired through the thermostat (supplied with the 12V model).

#### WIRING THE MAESTRO (12V MODEL)

Once the Maestro has been installed, it is ready to be wired.

- Take the power pack, 1 x connector block and the Thermostat and connect as per wiring diagram.

#### Note:

If mains electrical connections (eg. wiring a power point) are to be carried out, only use a licensed electrician in accordance with local wiring codes and regulations.

