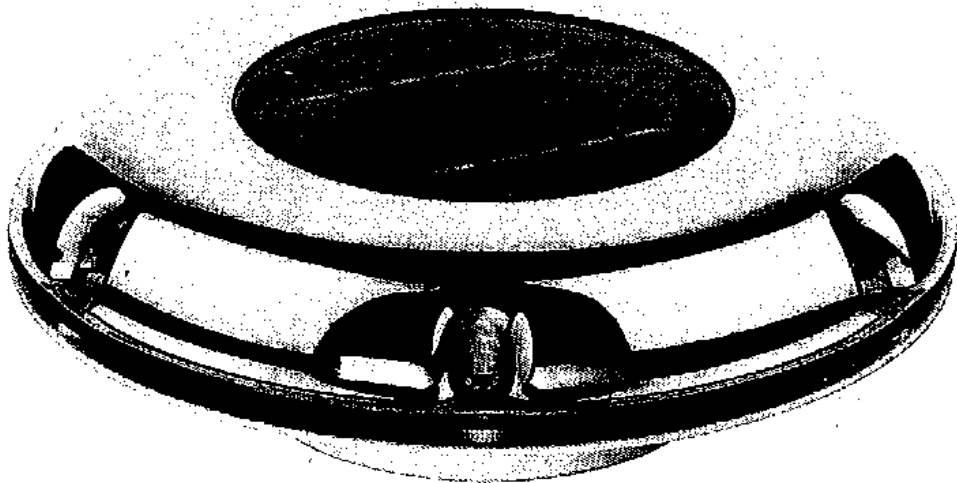


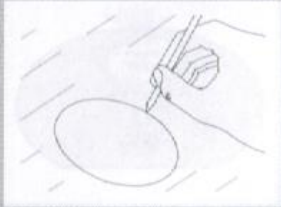


SMART VENT

SOLAR POWERED VENTILATOR



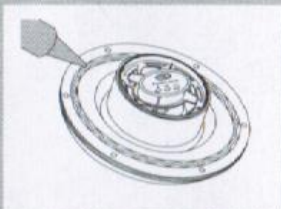
Model numbers: 100/300



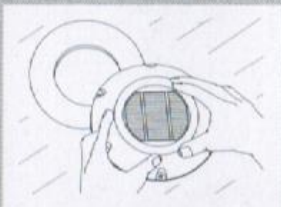
2.2



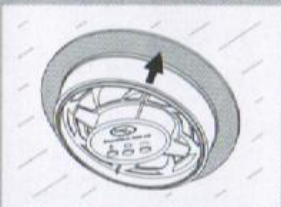
2.3



2.4



2.5



2.6

CONTENTS

SmartVent (main unit)
Fixing ring
Foam gasket

Thank you for purchasing the SmartVent, a high quality solar powered ventilator from Smart Solar. The SmartVent can be used in a variety of locations including boats, conservatories, green houses and garden sheds. It can be installed in wood, glass, metal, polycarbonate or similar materials.

1. LOCATION

It is important to locate your SmartVent so that it receives the maximum amount of sunlight possible, ideally facing the midday sun and not in any shade.

2. INSTALLATION

If unsure how to fit the SmartVent yourself, consult a professional installation expert.

- 1 Remove the fixing ring and gasket from the barrel.
- 2 Draw a line around the template in the packaging with a marker.
- 3 Cut out the hole, diameter 115mm/4.5", using a suitable tool.
- 4 For added security apply mastic sealant between the guidelines on the underside of your SmartVent. NB In glass we recommend use of the large foam gasket without using sealant.
- 5 Place the product through the hole from the outside. In wood or metal screw SmartVent to the surface with suitable No. 8 or similar weatherproof screws.
- 6 Push the fixing ring up the barrel from the inside.
- 7 If sealant has been used wipe away any excess and leave to dry.

Your SmartVent should now be securely installed

3. OPERATION

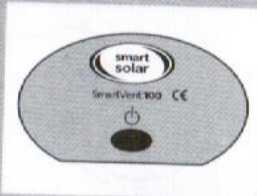
The SmartVent is supplied in the open position, however you can close the SmartVent to waterproof the product in severe weather conditions. To fully close the SmartVent hold the centre ellipse area, twist anticlockwise and pull towards you until it locks into position. To open again, twist clockwise and push in until it locks into position. The SmartVent is operated using the switches as described below.

SmartVent 100:

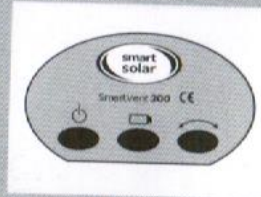
To switch on, push the switch down into the on position, to switch off, push the switch again and it will release to the off position. In the on position the SmartVent will extract air when sufficient daylight hits the solar cell.

SmartVent 300:

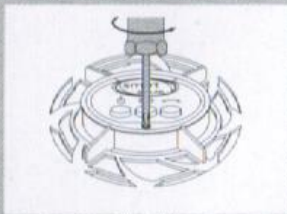
The SmartVent 300 has 3 switches, on/off, in/out and boost. The on/off and in/out switches work as described above. The boost switch enables you to operate the ventilator at night or during overcast conditions. The SmartVent 300 diverts some of the power generated during daylight to charge an internal battery. The power stored in this battery is then used to operate the boost function. When the boost switch is pressed the ventilator operates for approximately 10 minutes, if the switch is pressed again within the 10 minute operation time the ventilator will turn off. The number of boost operations possible depends on the amount of power stored during the day. When the on/off switch is in the off position power generated by the solar cell is used to charge the battery. This can be useful if you want to ensure the battery is fully charged for night time or weekend use and you do not need the SmartVent working during the day.



SmartVent 100



SmartVent 300



4.2



4.3

4. BATTERY REPLACEMENT (300 ONLY)

The internal rechargeable battery operates efficiently for up to 500 discharge cycles after which the capacity reduces and operation becomes less efficient. In these circumstances we recommend that you change the internal battery as follows:

- 1 Ensure the unit is switched off.
- 2 Remove the battery cover which is located in the centre of the ellipse.
- 3 Remove the AAA battery and replace with a suitable alternative*.
- 4 Replace the battery cover.

*Contact customer services for replacement batteries.

Battery specification 1.2V 600mAh NiMH AAA size.

Ensure the batteries are recycled or disposed of in accordance with local regulations. DO NOT dispose of battery in fire.

5. TROUBLE SHOOTING

If your SmartVent is not functioning properly, make sure you have followed the above instructions. If the unit is still not operating after that then take the following steps:

- Ensure that the top surface of the unit, above the solar cell, is clean. We recommend that you periodically clean the top surface to ensure optimum performance of your SmartVent.
- Ensure that all switches are in the correct positions as described in the operation instructions.
- Ensure that there is no debris or obstructions in the SmartVent that prevent the impeller from rotating. If necessary the finger guard can be removed by unscrewing the 2 screws either side of the ellipse and pulling the guard towards you. The guard is held in by 4 flexible location tabs, take care not to damage or break these tabs when removing or replacing the finger guard.
- If the boost function does not operate ensure the battery is working and securely in place in the battery holder (300 only), replace if necessary.

6. FULL 24 MONTH WARRANTY

If within twenty four (24) months from the date of purchase this product fails due to a defect in material or workmanship, you may exchange it by returning it to the original place of purchase with proof of purchase. Alternatively, customers can contact Smart Solar using one of the contact methods on the back of this leaflet. The warranty does not apply to:

- Damage caused by accident, abuse or poor handling; Units which have been subject to unauthorised repair or modification;
- Units not used in accordance with the company's instructions before, during or after installation; Any parts subject to wear and tear.
- Batteries

