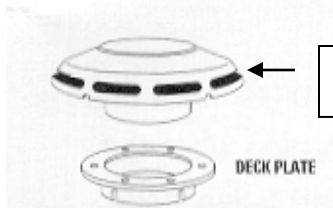
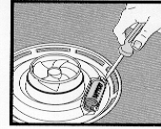


# Installation Instructions Sol-A-Vents



Item # 1



## Ni-Cad Battery

The Day & Night 2000 comes with a charged Ni-Cad battery. To install the battery, turn the vent over, remove the screws on the battery case, install the battery and replace the screws. Make sure that when re-closing the battery case that the gasket is in place to prevent water from causing battery corrosion. Allow the vent to charge in the sun (not under a light bulb) for 24 to 36 hours. This will insure a fully-charged battery. Depending on angle to the sun, weather conditions and shadowing of the solar array, the time necessary to charge the battery may vary.

## MAINTENANCE

We recommend that you periodically clean the solar array with a mild cleaner to insure the vent charges continuously. Also, clean the electrical contacts inside the battery case, especially the positive (+) battery contact periodically. Use the flat surface of a pencil eraser, or if heavier build-up has occurred, use either a fine emery cloth or fine sandpaper. If after a few years of operation the battery is no longer performing at peak performance, replace it with a Ni-Cad C-Cell rated at 2.0 amp-hours or greater (# N20590).

## TROUBLE SHOOTING

### If the Day&Night 2000 stops running:

#### • Check The Battery

The battery may be dead. A dead battery short circuits the solar array and will not deliver power to the motor. Test the Day&Night 2000 without the battery in it by placing the array in direct sun to see if the motor turns. If the motor turns, the battery is dead. Replace the battery with a C size Ni-Cad battery with a minimum rating of 2.0 amp-hours (#N20590). Be sure to clean the battery contacts before installing a new battery.

#### • Check The Solar Array & Fan Motor

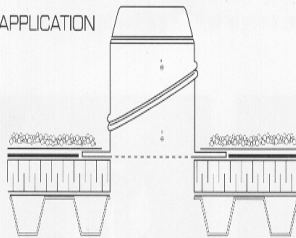
If the motor still did not turn when the battery was removed, either the array is damaged or the motor does not work. Contact Micro customer service for warranty repair or replacement.

#### • If The Deck Plate Is Leaking Below

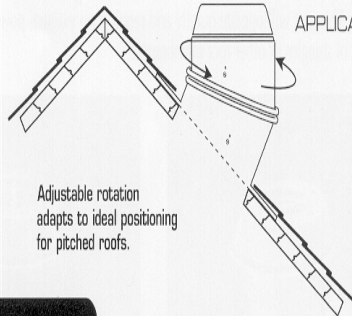
When the deck plate is new and you have a leak in rain, spray or wash down, most likely the deck plate is not installed properly. We recommend that it be removed and re-installed according to the instruction guidelines. However, the use of silicone sealant or silicone grease can cure an annoying drip without having to re-install the deck plate.

- 1- The above Deck Plate is already screw mounted to the Aluminum base of the Sol-A-Vent.
- 2- To install battery – Twist and pull up on Item # 1. This piece is a tight fit to the deck plate. Please take caution.
- 3- See right instructions to install battery
- 4- After battery is installed, press Item # 1 back into deck plate and proceed to Vent Installation Instructions below.
- 5- The Snap-In waterproof cover can be pressed into the deck plate to seal the opening when the vent has been removed

FLAT ROOF  
APPLICATION



PITCHED ROOF  
APPLICATION



## INSTALLATION

**Step 1:** Before installing the Sol-A-Vent set the appropriate desired angle of the solar panel relative to the roof pitch by 1) turning the vent stack on its base and by 2) rotating the top section of the adjustable seam. You will likely need to loosen the 4 slotted bolts on the vent stack sides to rotate the upper panels freely on the base flange.

**Step 2: For flat (horizontal) roof installation:** Prepare an opening in the roof membrane and an 8" opening in the roof insulation. Install the Sol-A-Vent beneath the roof membrane but on top of the insulation. Secure with nails or screws if appropriate. Flash in the base according to standard details for the roof membrane in use.

**For a steep roof installation:** After step 1 prepare an 8" opening in the roof deck to access the area to be vented. Attach the vent to the deck with screws or nails and make final adjustments to the desired angle of the Sol-A-Vent panel. Re-tighten the 4 slotted bolts and then flash in the vent base appropriately.



Ph: 800-828-8424

Fx: 716-685-1108

Web: [www.marathondrains.com](http://www.marathondrains.com)