

AnseTo BSV-IC309

AnseTo Solar Drip Irrigation System (Model BSV-IC309) User Manual

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your AnseTo Solar Drip Irrigation System, Model BSV-IC309. This system is designed to provide efficient and automated watering for various plants in gardens, pots, balconies, and greenhouses, utilizing solar energy for an eco-friendly solution.

The system features an 8W high-efficiency solar panel, an integrated smart timer for customizable watering schedules, a 30-meter hose, and 30 drippers to ensure comprehensive coverage and precise watering.

2. PACKAGE CONTENTS

Please verify that all components are present before beginning installation:

- 1x Solar Panel (8W)
- 1x Irrigation Controller with Integrated Timer
- 1x 30-meter Water Hose (main and distribution tubing)
- 30x Drippers
- T-connectors and other necessary fittings
- 1x Water Filter
- Mounting accessories for solar panel (wall/floor)

Travel Without Worries



Figure 2.1: All components included in the package.

3. PRODUCT OVERVIEW

The AnseTo Solar Drip Irrigation System is designed for automatic and efficient plant watering. It consists of a solar panel that powers the controller, which then manages water distribution through a network of hoses and drippers.



Figure 3.1: AnseTo Solar Drip Irrigation System in a garden setting.

Key Features:

- **Solar-Powered:** Utilizes an 8W solar panel for continuous, eco-friendly operation.
- **Smart Timer:** Integrated timer allows for customizable watering schedules (duration and frequency).
- **Flexible Installation:** Solar panel and controller can be installed independently, with options for wall mounting or floor placement.
- **Comprehensive Coverage:** Includes 30 meters of hose and 30 drippers for precise watering of multiple plants.
- **IPX5 Waterproof:** Suitable for both indoor and outdoor use.

4. SETUP INSTRUCTIONS

Follow these steps to set up your AnseTo Solar Drip Irrigation System:

1. **Connect Solar Panel to Controller:** Connect the cable from the solar panel to the 'SOLAR CHARGE' port on the irrigation controller.
2. **Connect Water Inlet:** Attach one end of the main tubing to the water filter. Then, connect the other end of the filter to the 'IN' port on the controller. Place the filter into your water reservoir (e.g., bucket, tank).

3. **Connect Water Outlet:** Connect the main distribution tubing to the 'OUT' port on the controller.
4. **Cut and Distribute Tubing:** Cut the main tubing to the desired lengths to reach your plants. Use T-connectors to branch off smaller tubes for individual drippers.
5. **Install Drippers:** Connect the drippers to the ends of the smaller tubes. Insert each dripper into the soil near the base of the plant you wish to water. Ensure the dripper is securely placed to direct water to the root zone.
6. **Mount Solar Panel and Controller:** The solar panel can be mounted on a wall or placed on the ground using its stand. Adjust the angle of the solar panel to maximize sun exposure. The controller can be mounted near the solar panel or in a convenient location.
7. **Power On:** Press and hold the power button on the controller for 1.5 seconds to turn it on.



Figure 4.1: Visual guide for system installation.

Installation Tips:

- If the hoses are stiff, briefly immerse the ends in hot water to make them more flexible for easier connection.
- Run warm water through the system once before final assembly to ease further installation.
- Ensure all hose connections are tight to prevent leaks and ensure proper drip function.

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Video 4.1: Demonstration of the AnseTo Solar Drip Irrigation System setup and basic operation.

5. OPERATING INSTRUCTIONS

The AnseTo controller allows you to customize watering intervals and durations.



Figure 5.1: Controller display showing time adjustment options.

Controller Buttons:

- **Power Button:** Press and hold for 1.5 seconds to turn the system on or off.
- **Mode Button:** Short press to switch between setting the watering *interval* and the watering *duration*.
- **(+) Button:** Short press to increase the selected value. Press and hold to accelerate the value change.
- **(-) Button:** Short press to decrease the selected value. Press and hold to accelerate the value change.
- **Pause Button:** During operation, a short press will pause the current watering cycle. When not in operation, a short press will activate manual watering mode.

Setting Watering Schedule:

1. Ensure the controller is powered on.
2. Press the **Mode** button to select either 'Interval' or 'Watering' time. The active setting will blink on the display.
3. Use the **(+)** and **(-)** buttons to adjust the desired interval (e.g., 3 hours, 1 day) or watering duration (e.g., 30 seconds, 5 minutes).

- Once settings are configured, the system will automatically begin its programmed watering schedule.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your irrigation system.

- **Check Water Source:** Regularly monitor your water reservoir to ensure there is always enough water for scheduled irrigation cycles. The system does not include a water level sensor, so manual checks are necessary.
- **Clean Filter:** Periodically remove and clean the water filter to prevent clogging from debris, which can affect water flow and dripper performance.
- **Inspect Tubing and Drippers:** Check hoses and drippers for any blockages, kinks, or damage. Ensure drippers are correctly positioned and delivering water.
- **Solar Panel Cleaning:** Keep the solar panel clean from dust and dirt to ensure maximum sunlight absorption and charging efficiency.

7. TROUBLESHOOTING

If you encounter issues with your AnseTo Solar Drip Irrigation System, consider the following:

- **No Water Flow:**
 - Check if the water reservoir is empty.
 - Ensure the water filter is clean and not clogged.
 - Verify all hose connections are secure and there are no kinks in the tubing.
 - Confirm the controller is powered on and the pump is active during scheduled watering times.
- **System Not Powering On/Charging:**
 - Ensure the solar panel is connected correctly to the controller.
 - Check that the solar panel is receiving adequate direct sunlight. Clean the panel if it's dirty.
 - Verify the power button was pressed and held for 1.5 seconds.
- **Uneven Watering:**
 - Inspect individual drippers for blockages or damage.
 - Ensure the water source has sufficient pressure (if applicable, though this system is pump-driven from a reservoir).
 - Check for leaks in the tubing system.
- **Stiff Hoses During Installation:**
 - Immerse the ends of the hoses in hot water for a few seconds to soften them, making connections easier.

8. SPECIFICATIONS

Model Number	BSV-IC309
Brand	AnseTo
Power Source	Solar Energy (8W Solar Panel)

Hose Length	30 Meters
Number of Drippers	30
Material	Plastic
Watering Duration	Adjustable (e.g., 10-50 seconds, 1-30 minutes)
Watering Interval	Adjustable (e.g., 3/6/12 hours, 1-7 days)
Waterproof Rating	IPX5
Package Dimensions	31.32 x 21.89 x 8.69 cm
Package Weight	1.62 kg
Country of Origin	China

9. SAFETY INFORMATION

Please read and follow these safety guidelines to ensure safe and proper use of your AnseTo Solar Drip Irrigation System:

- Do not immerse the controller or solar panel in water. The IPX5 rating protects against water jets, not full submersion.
- Keep the system components away from open flames or extreme heat sources.
- Ensure all electrical connections (solar panel to controller) are secure and dry.
- Do not attempt to modify or repair the system components yourself. Contact qualified personnel for service.
- Keep out of reach of children and pets to prevent accidental damage or injury.
- Use only clean water in the reservoir to prevent clogging of the filter and drippers.

10. WARRANTY AND SUPPORT

Specific warranty information was not provided with this product data. For details regarding warranty coverage, returns, or technical support, please refer to the product packaging, the seller's website, or contact AnseTo customer service directly.