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Rain Bird 639300-01

Rain Bird Transformer Power Supply User Manual

Model: **639300-01**
Brand: **Rain Bird**

1. Product Overview

This document provides essential information for the safe and effective use of the Rain Bird Transformer Power Supply, Model 639300-01. This transformer is designed as a replacement power supply for various Rain Bird indoor irrigation timer models, including the SST Series, E-Class (E4, E6, E9), and ISM Series (excluding ESP4Mi).

It is a 24-volt transformer specifically engineered to replace units with an output of 650mA or less, ensuring compatibility and reliable power delivery to your irrigation system's indoor timer.



Figure 1: Rain Bird Transformer Power Supply, Model 639300-01. This image shows the complete transformer unit with its power cord and connector.

2. Safety Information

Please read and understand all safety instructions before installing or operating this product. Failure to follow these instructions may result in electric shock, fire, or other hazards.

- **Risk of Electric Shock:** This device operates with electrical current. Do not open the transformer casing.
- **Dry Location Use Only:** This transformer is designed for indoor use only and must be installed in a dry location. Do not expose to water, moisture, or high humidity.
- **Vertical Installation:** The transformer is only suitable for vertical indoor installation.
- **Professional Consultation:** If there is any doubt about the proper use or installation of this product, consult a qualified professional electrician.
- **Compatibility:** Ensure the transformer's specifications match the requirements of your Rain Bird timer. This transformer is a replacement for units with an output of 650mA or less.

3. Product Features

- Newest model available from Rain Bird.
- Compatible with virtually all Rain Bird Indoor Timers, including SST Series, E-Class (E4, E6, E9), and ISM Series (Note: Not compatible with ESP4Mi).
- Easy installation: The wire connector slides directly into the existing timer's power input.
- Designed for vertical indoor installation in dry locations only.
- Provides a stable 24-volt power supply.

4. Setup and Installation

This transformer is designed for straightforward replacement of an existing compatible Rain Bird timer power supply. Follow these steps for installation:

1. **Disconnect Power:** Before beginning, ensure the existing timer is completely disconnected from its power source. Unplug the old transformer from the wall outlet.
2. **Remove Old Transformer:** Carefully disconnect the old transformer's low-voltage wire from the Rain Bird indoor timer.
3. **Connect New Transformer:** Take the new Rain Bird Transformer (Model 639300-01) and slide its wire connector directly into the corresponding power input port on your Rain Bird indoor timer. Ensure a secure connection.
4. **Mounting:** This transformer is suitable for vertical indoor installation. Ensure it is placed in a dry location, away from any sources of moisture or water.
5. **Restore Power:** Once the transformer is securely connected to the timer and properly positioned, plug the transformer into a standard 120VAC wall outlet.

The timer should power on. If it does not, refer to the Troubleshooting section. For any uncertainty regarding installation, it is highly recommended to consult a professional electrician.



Figure 2: Close-up view of the transformer's label, detailing input (120VAC 60Hz 0.2A) and output (25.5VAC 650mA) specifications, along with safety warnings.

5. Operation

The Rain Bird Transformer Power Supply operates continuously to provide the necessary low-voltage power to your compatible Rain Bird indoor irrigation timer. Once properly installed and plugged into a live electrical outlet, it will supply 25.5VAC at 650mA to the timer.

The transformer does not have user-adjustable settings or controls. Its function is solely to convert household AC power to the specific voltage and current required by the irrigation timer.

6. Maintenance

The Rain Bird Transformer Power Supply is designed for long-term, maintenance-free operation. However, periodic inspection can help ensure its continued reliability:

- **Keep Dry:** Ensure the transformer remains in a dry, indoor environment. Avoid exposure to water, condensation, or high humidity.
- **Inspect Casing and Cord:** Periodically check the transformer casing and power cord for any signs of physical damage, cracks, fraying, or discoloration. If damage is observed, discontinue use immediately and replace the unit.
- **Ventilation:** Ensure the transformer is not covered or placed in an enclosed space that could impede airflow, although passive cooling is typical for this type of device.
- **Cleaning:** If necessary, gently wipe the exterior of the transformer with a dry, soft cloth. Do not use liquid cleaners or solvents.

7. Troubleshooting

If your Rain Bird timer is not receiving power after installing the new transformer, consider the following:

- **No Power to Timer:**
  - **Check Outlet:** Ensure the wall outlet the transformer is plugged into is live. Test it with another known working appliance.
  - **Check Connections:** Verify that the transformer's low-voltage connector is fully and securely inserted into the Rain Bird timer's power input port.
  - **Transformer Compatibility:** Double-check that your Rain Bird timer model is listed as compatible with this transformer (SST Series, E-Class, ISM Series). Ensure your old transformer had an output of 650mA or less.
  - **Inspect Transformer:** Look for any visible damage to the transformer unit or its cord. If damaged, replace the unit.
- **Timer Malfunction (after transformer replacement):**
  - If the timer powers on but exhibits unusual behavior, the issue may lie with the timer unit itself, not the transformer. Consult the user manual for your specific Rain Bird timer model.

If troubleshooting steps do not resolve the issue, it is advisable to contact Rain Bird customer support or consult a qualified electrician.

8. Specifications

Attribute	Detail
Product Model	639300-01 (UT1 120E119A-35)
Input Voltage	120VAC, 60Hz, 0.2A
Output Voltage	25.5VAC, 650mA
Power Source	AC Mains
Mounting Type	Wall Mount (Vertical Indoor Installation)
Compatibility	Rain Bird SST Series, E-Class (E4, E6, E9), ISM Series Indoor Timers (excluding ESP4Mi)
Dimensions (Approx.)	11.71 x 7.19 x 5.99 cm (Parcel Dimensions)
Weight (Approx.)	549 g (Parcel Weight)
UPC	077985444600

9. Warranty and Support

For information regarding warranty coverage, technical support, or replacement parts for your Rain Bird Transformer Power Supply, please refer to the original product packaging or contact Rain Bird customer service directly. Contact details can typically be found on the Rain Bird official website or through your product retailer.

When contacting support, please have your product model number (639300-01) and any purchase information readily available.

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