Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

DEWENWILS HOSL03A

DEWENWILS 120W Low Voltage Landscape Transformer User Manual

Model: HOSL03A | Brand: DEWENWILS

1. Introduction and Overview

The DEWENWILS 120W Low Voltage Landscape Transformer is designed to safely convert standard household 120V AC electricity to a safer 12V AC for your outdoor LED lighting, spotlights, and pathway lights. This weatherproof transformer features a built-in timer and photocell sensor for automated operation, ensuring your landscape lighting enhances your outdoor space efficiently and conveniently.



Figure 1: DEWENWILS 120W Low Voltage Landscape Transformer.

2. Key Features

- **Built-in Dusk to Dawn Sensor:** Automatically turns landscape lighting on at dusk and off at dawn. Converts 120V AC to 12V AC for safe operation.
- **Countdown Timer:** Offers 1-9 hour countdown timing. The transformer will turn on at dusk and automatically shut off

after the set duration.

- **Easy to Operate and Install:**Simple up/down arrow controls to select Always On, Auto, or Countdown Timing modes. Features built-in mounting holes and a 3.3-foot STJW 18AWG power cord for direct wall mounting.
- **Memory Function:** Retains the last selected setting even after a power loss. (Note: For memory function to work, the transformer needs to be in the chosen mode for at least 24 hours).
- **Durable and Weatherproof:** Constructed from high-performance metal material, corrosion-resistant, and designed to withstand various extreme weather conditions.



Figure 2: Durable and Weatherproof Design.

3. What's in the Box

- DEWENWILS 120W Low Voltage Landscape Transformer

Please inspect all components upon unboxing. If any parts are missing or damaged, contact DEWENWILS customer support.

4. Setup and Installation

Before installation, ensure the power supply is disconnected. This transformer is designed for outdoor use and should be mounted at least 1 foot (30cm) above ground.

1. **Mounting:** Utilize the built-in mounting holes to securely attach the transformer to an outdoor wall or a sturdy post. Ensure it is positioned at least 12 inches (30cm) above ground level to prevent water damage.
2. **Wiring:**
    - Strip approximately 1/2 inch of insulation from the ends of your low voltage landscape lighting wires.
    - Connect the stripped wires to the 12V AC output terminals on the transformer. The transformer features two terminal output ends (12V AC) for connecting your lights. Ensure screw connections are tight. Do not mix solid and stranded type wires under one screw.
    - Organize your wires neatly using the provided cable clip.
3. **Power Connection:** Plug the 3.3-foot STJW 18AWG power cord into a standard 120V AC outdoor outlet.

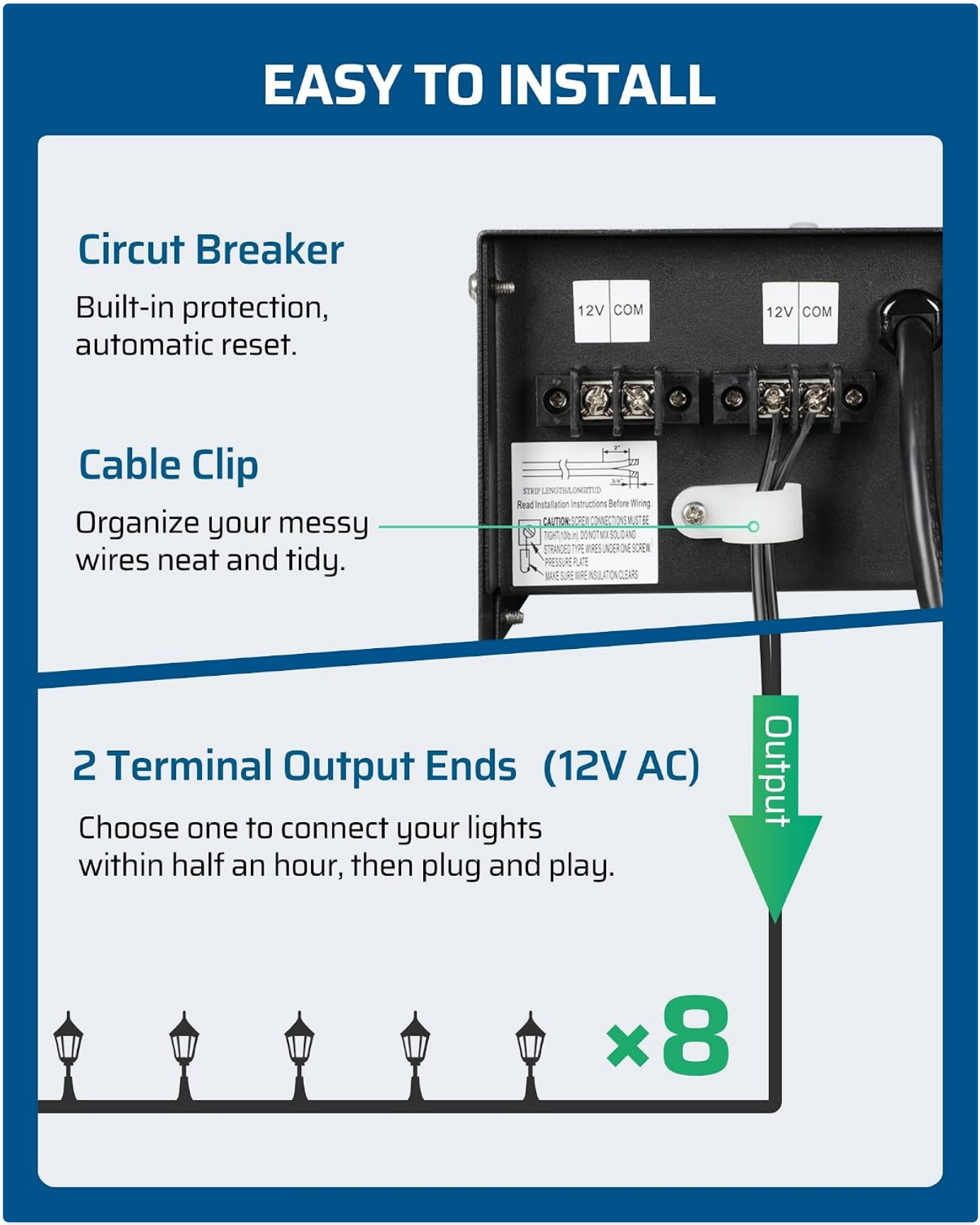


Figure 3: Installation Diagram.

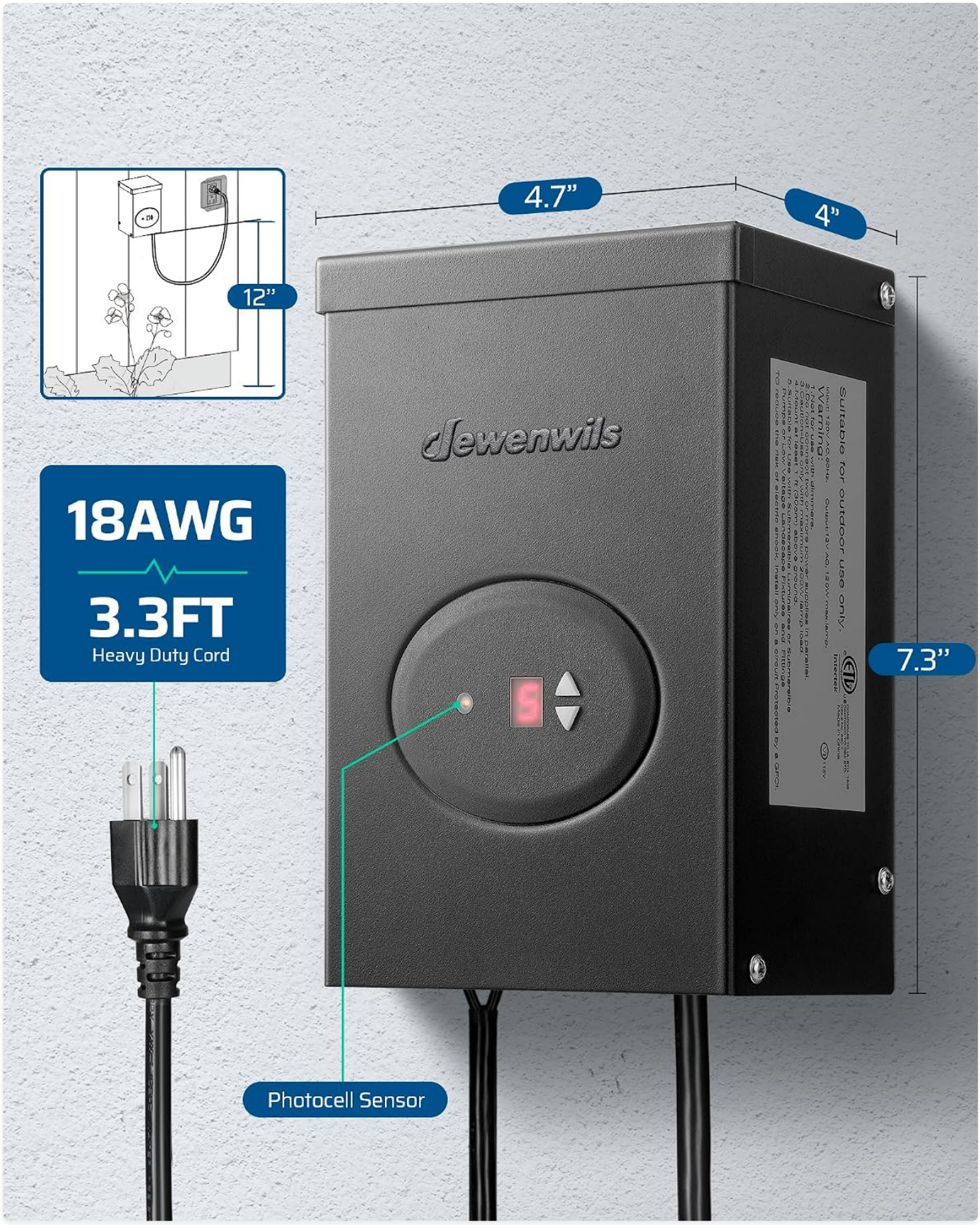


Figure 4: Transformer Dimensions and Photocell Sensor.

Your browser does not support the video tag.

Video 1: Overview of the DEWENWILS Low Voltage Landscape Transformer, including installation steps and features. (Source: Dewenwils Seller)

5. Operating Instructions

The transformer offers three operating modes, easily selectable using the up/down arrow buttons on the unit.



Figure 5: Operating Modes.

1. **Always On Mode ("O"):** In this mode, the landscape lights will remain on continuously, throughout the day and night. Press the up/down arrow until "O" is displayed.

2. **Auto Mode ("A" - Dusk to Dawn):**The built-in photocell sensor will automatically turn the landscape lights on at dusk and turn them off at dawn. Press the up/down arrow until "A" is displayed.
3. **Countdown Timer Mode (1-9 hours):** The transformer will turn on at dusk and automatically shut off after the selected number of hours (1 to 9). Press the up/down arrow to select the desired duration (e.g., "5" for 5 hours).

Memory Function: The transformer features a memory function. Once a mode is selected, it will retain this setting even after a power outage. For the memory feature to function correctly, the transformer needs to operate in the chosen mode for at least 24 hours.



Figure 6: Dusk to Dawn Automatic Operation.

6. Maintenance

The DEWENWILS transformer is designed for durability and minimal maintenance. Its high-performance metal material and weatherproof coating ensure resistance to corrosion and extreme weather conditions.

- **Regular Inspection:** Periodically check the transformer and wiring for any signs of damage, corrosion, or loose connections.
- **Cleaning:** Wipe down the exterior of the transformer with a damp cloth as needed to remove dirt and debris. Do not use harsh chemicals or abrasive cleaners.
- **Photocell Sensor:** Ensure the photocell sensor is clean and unobstructed for optimal dusk-to-dawn operation.

7. Troubleshooting

- **Lights Not Turning On/Off as Expected:**
  - Check the selected operating mode (Always On, Auto, Countdown).
  - Ensure the photocell sensor is clean and not obstructed by dirt, leaves, or other objects.
  - Verify that the transformer has been in the desired mode for at least 24 hours for the memory function to fully engage.
  - If the power was recently interrupted and the transformer is not responding as expected, set the timer to "0", unplug the transformer completely, leave it unplugged for an extended period (e.g., overnight), then plug it back in. Once the lights come on and the display shows "0", you can then reset your desired operating hours using the

up/down arrows.

- **Lights Flickering or Dim:**
  - Ensure the total wattage of your landscape lighting does not exceed 80% of the transformer's 120W capacity (i.e., max 96W). Overloading can cause performance issues.
  - Check all wire connections for tightness. Loose connections can lead to voltage drops.
- **Transformer Not Functioning After Power Outage:**
  - The memory function should retain settings, but if issues persist, perform the reset procedure described above (set to "0", unplug, wait, plug back in, then reset mode).
- **Important Note:** Do not use this transformer with a dimmer switch.

8. Specifications

Product Dimensions	4.7 x 4 x 7.3 inches; 5.51 Pounds (4"D x 4.7"W x 7.3"H)
Item Model Number	HOSL03A
Manufacturer	DEWENWILS
ASIN	B07RGQM12Q
Country of Origin	China
Power Source	Corded Electric
Mounting Type	Wall Mount
Current Rating	10 Amps
Input Voltage	120V AC
Output Voltage	12V AC
Wattage	120W

9. Warranty and Support

For warranty information and customer support, please refer to the documentation included with your product or visit the official DEWENWILS website. You can also contact DEWENWILS directly through their Amazon store page for assistance.
DEWENWILS Store: Visit the DEWENWILS Store on Amazon

© 2024 DEWENWILS. All rights reserved.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

https://manuals.plus/asin/B07RGQM12Q

More documents and user manuals: **https://manuals.plus/**