



Manuals.plus /

› DEWENWILS /

› DEWENWILS Pool Pump Timer & Low Voltage Transformer Instruction Manual

## DEWENWILS B0D25778FP

# DEWENWILS Pool Pump Timer & Low Voltage Transformer Instruction Manual

## INTRODUCTION

---

This manual provides comprehensive instructions for the installation, operation, and maintenance of your DEWENWILS Pool Pump Timer and 300W Low Voltage Pool Light Transformer. This combined unit is designed to provide automated control for pool pumps and safe low-voltage power for pool and outdoor lighting applications. Please read this manual thoroughly before installation and use to ensure proper function and safety.

## IMPORTANT SAFETY INFORMATION

---

**WARNING: Risk of Electric Shock.** Always disconnect power before servicing. More than one disconnect switch may be required to de-energize the device before servicing.

- This device is not intended for water immersion.
- Use copper conductors only for all wiring connections.
- Always ensure the enclosure door is securely closed after installation or servicing.
- Use listed wiring connectors for grounding terminals.
- For the transformer, connect only to a circuit protected by a Class A Ground Fault Circuit Interrupter (GFCI).
- Ensure all wiring is performed by a qualified electrician and complies with local electrical codes.

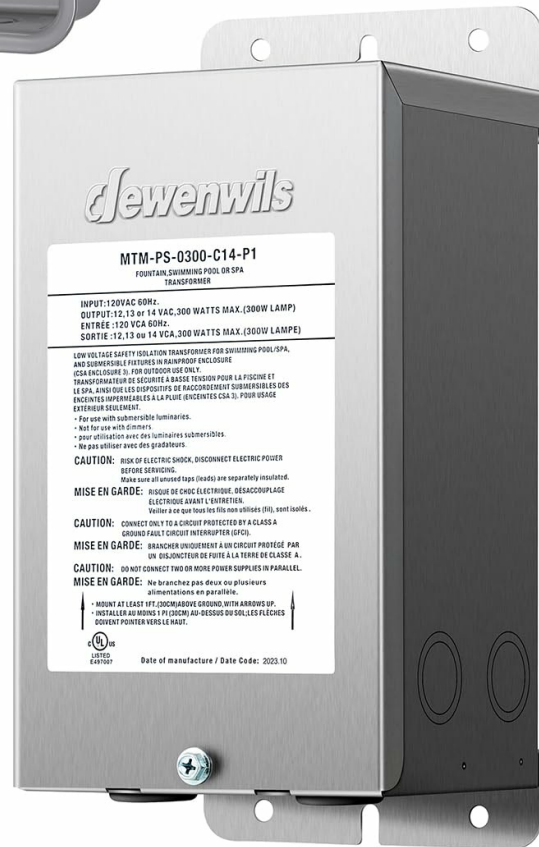


Image: The DEWENWILS Pool Pump Timer enclosure open, showing internal wiring terminals, control buttons, and safety labels. The labels indicate electrical ratings and important safety warnings regarding electric shock and wiring practices.

## PRODUCT OVERVIEW

### DEWENWILS Outdoor Wi-Fi Pool Pump Timer

This outdoor-rated Wi-Fi timer box allows for automated control of heavy-duty appliances such as pool pumps. It features programmable timer, random, and countdown modes, supporting up to 12 ON/OFF settings. The unit is designed for outdoor use with a durable, weatherproof metal case.

# High Power Pool Timer

For control heavy duty appliances

**40A**



Resistive

**120/240/277**



VAC

**1HP**



120VAC

**2HP**



240VAC



Image: A graphic illustrating the high power capabilities of the pool timer, including 40A Resistive, 120/240/277 VAC, 1HP at 120VAC, and 2HP at 240VAC.

# Jewenwils

## MTM-PS-0300-C14-P1

FOUNTAIN, SWIMMING POOL OR SPA  
TRANSFORMER

INPUT: 120VAC 60Hz.  
OUTPUT: 12, 13 or 14 VAC, 300 WATTS MAX. (300W LAMP)  
ENTRÉE : 120 VCA 60Hz.  
SORTIE : 12, 13 ou 14 VCA, 300 WATTS MAX. (300W LAMPE)

LOW VOLTAGE SAFETY ISOLATION TRANSFORMER FOR SWIMMING POOL/SPA,  
AND SUBMERSIBLE FIXTURES IN RAINPROOF ENCLOSURE  
(CSA ENCLOSURE 3). FOR OUTDOOR USE ONLY.  
TRANSFORMATEUR DE SÉCURITÉ À BASSE TENSION POUR LA PISCINE ET  
LE SPA, AINSI QUE LES DISPOSITIFS DE RACCORDEMENT SUBMERSIBLES DES  
ENCEINTES IMPERMEABLES À LA PLUIE (ENCEINTES CSA 3). POUR USAGE  
EXTÉRIEUR SEULEMENT.

- For use with submersible luminaries.
- Not for use with dimmers.
- pour utilisation avec des luminaires submersibles.
- Ne pas utiliser avec des gradateurs.

**CAUTION:** RISK OF ELECTRIC SHOCK, DISCONNECT ELECTRIC POWER  
BEFORE SERVICING.

Make sure all unused taps (leads) are separately insulated.

**MISE EN GARDE:** RISQUE DE CHOC ÉLECTRIQUE, DÉACCOUPLAGE  
ÉLECTRIQUE AVANT L'ENTRETIEN.

Veiller à ce que tous les fils non utilisés (fil), sont isolés.

**CAUTION:** CONNECT ONLY TO A CIRCUIT PROTECTED BY A CLASS A  
GROUND FAULT CIRCUIT INTERRUPTER (GFCI).

**MISE EN GARDE:** BRANCHER UNIQUEMENT À UN CIRCUIT PROTÉGÉ PAR  
UN DISJONCTEUR DE FUITE À LA TERRE DE CLASSE A.

**CAUTION:** DO NOT CONNECT TWO OR MORE POWER SUPPLIES IN PARALLEL.

**MISE EN GARDE:** Ne branchez pas deux ou plusieurs  
alimentations en parallèle.

- MOUNT AT LEAST 1FT. (30CM) ABOVE GROUND, WITH ARROWS UP.
- INSTALLER AU MOINS 1 PI (30CM) AU-DESSUS DU SOL; LES FLÈCHES  
DOIVENT POINTER VERS LE HAUT.

 LISTED  
E497007

Date of manufacture / Date Code: 2023.10

Image: An illustration demonstrating the weatherproof capabilities of the outdoor timer, indicating operation in temperatures ranging from -40°F to 140°F, and highlighting its UL Listed status and metal case construction.

## DEWENWILS 300W Low Voltage Pool Light Transformer

This 300W transformer converts standard 120V AC household electricity to a safer 12V, 13V, or 14V AC output, suitable for pool, spa, and outdoor landscape lighting. It features a multi-tap design for flexible circuit connections and is housed in a durable metal enclosure with heat dissipation features.

# LOW VOLTAGE CONVERTER

Convert voltage from 120V AC to 12V/13V/14V AC safe voltage for Pool Lights

**Input**  
120V

**Output**  
12V/13V/14V

**dewenwils**

**MTM-PS-0300-C14-P1**  
FOUNTAIN, SWIMMING POOL OR SPA TRANSFORMER

**INPUT: 120VAC 60Hz.**  
**OUTPUT: 12, 13 or 14 VAC, 300 WATTS MAX. (300W LAMP)**  
**ENTRÉE: 120 VCA 60Hz.**  
**SORTIE: 12, 13 ou 14 VCA, 300 WATTS MAX. (300W LAMPE)**

LOW VOLTAGE SAFETY ISOLATION TRANSFORMER FOR SWIMMING POOL/SPA, AND SUBMERSIBLE FIXTURES IN RAINPROOF ENCLOSURE (CSA ENCLOSURE 3). FOR OUTDOOR USE ONLY.  
TRANSFORMATEUR DE SÉCURITÉ À BASSE TENSION POUR LA PISCINE ET LE SPA, AINSI QUE LES DISPOSITIFS DE RACCORDEMENT SUBMERSIBLES DES ENCLOSURES IMPÉRMÉABLES À LA PLUIE (ENCLOSURES CSA 3). POUR USAGE EXTÉRIEUR SEULEMENT.

- For use with submersible luminaires.
- Not for use with dimmers.
- pour utilisation avec des luminaires submersibles.
- Ne pas utiliser avec des gradateurs.

**CAUTION: RISK OF ELECTRIC SHOCK, DISCONNECT ELECTRIC POWER BEFORE SERVICING.**  
Make sure all unused taps (leads) are separately insulated.

**MISE EN GARDE: RISQUE DE CHOC ÉLECTRIQUE. DÉBRANCHER ÉLECTRIQUE AVANT L'ENTRETIEN.**  
Veiller à ce que tous les fils non utilisés (fil), sont isolés.

**CAUTION: CONNECT ONLY TO A CIRCUIT PROTECTED BY A CLASS A GROUND FAULT CIRCUIT INTERRUPTER (GFCI).**

**MISE EN GARDE: BRANCHER UNIQUEMENT À UN CIRCUIT PROTÉGÉ PAR UN DISJONCTEUR DE FUITE À LA TERRE DE CLASSE A.**

**CAUTION: DO NOT CONNECT TWO OR MORE POWER SUPPLIES IN PARALLEL.**  
**MISE EN GARDE: Ne branchez pas deux ou plusieurs alimentations en parallèle.**

- MOUNT AT LEAST 1FT.(30CM) ABOVE GROUND, WITH ARROWS UP.
- INSTALLER AU MOINS 1 PI (30CM) AU-DESSUS DU SOL; LES FLÈCHES DOIVENT POINTER VERS LE HAUT.

**UL LISTED 6457007** Date of manufacture / Date Code: 2023.10

**ETL LISTED US Intertek**

Image: A graphic showing the DEWENWILS low voltage converter, illustrating its function of converting 120V AC input to 12V/13V/14V AC output for pool lights.

## SPECIFICATIONS

### Pool Pump Timer Electrical Ratings

Contact Type	Rating
N.O. (Normally Open) Contacts	40A Resistive, 120-277VAC 1HP Motor, 16A FLA, 96A LRA, 120VAC 2HP Motor, 10A FLA, 60A LRA, 277VAC 20A Ballast, 120VAC 20A Ballast, 277VAC 10A Tungsten, 120VAC 20A Resistive, 277VAC
N.C. (Normally Closed) Contacts	3A Resistive, 120-277VAC 1HP Motor, 12 FLA, 72A LRA, 120VAC 2HP Motor, 12 FLA, 72A LRA, 240VAC 5A Ballast, 120VAC 10A Ballast, 127VAC 10A Ballast, 277VAC 20A Resistive, 90VDC

**Wire Requirement:** For supply connections, use 8 AWG wires suitable for at least 80°C.

### Low Voltage Pool Light Transformer Specifications

Parameter	Value
Input Voltage	120VAC, 60Hz
Output Voltage	12V / 13V / 14V AC
Max Power	300 Watts (300W Lamp)
Type	Low Voltage Safety Isolation Transformer for Swimming Pool/Spa
Certifications	UL Listed, ETL Listed

# Weatherproof for Outdoor



-40°F

140°F



UL Listed



Metal Case

Image: The product label for the DEWENWILS 300W Low Voltage Transformer, displaying input/output specifications, safety warnings, and certification marks.

## General Product Specifications

- **Brand:** DEWENWILS
- **Material:** Metal
- **Color:** Black
- **Timer Settings:** Up to 12 ON/OFF settings

## SETUP AND INSTALLATION

---

### Pool Pump Timer Installation

1. **Mounting:** The timer features a hanging mount point at the top for direct wall installation. Ensure it is mounted in a location that allows for proper ventilation and access for wiring.
2. **Wiring:** The timer is designed for easy wiring. Two updated jumper wires are included to facilitate the wiring process. Refer to the internal wiring diagram on the product label for correct connections. Ensure all connections are secure and comply with the specified wire gauge (8 AWG for supply connections, suitable for at least 80°C).
3. **Wi-Fi Integration:** The timer is Wi-Fi enabled. Once powered, follow the instructions in the accompanying app guide (not included in this manual) to integrate it with your existing router. No additional hardware setup is required for Wi-Fi connectivity.

### Low Voltage Pool Light Transformer Installation

1. **Mounting:** Mount the transformer at least 1 foot (30 cm) above ground level, ensuring the arrows on the unit point upwards for proper heat dissipation. The unit includes 2 holders to keep it slightly away from the wall, further aiding heat dissipation.
2. **Wiring:** The transformer features 10 knockouts ( $\phi 1.06''$ ) for threading wires. Separate high voltage and low voltage compartments are provided for convenient and safe wiring. Connect the 120V AC input to the high voltage side and your low voltage lights (12V/13V/14V AC) to the output terminals.
3. **Circuit Protection:** Always connect the transformer to a circuit protected by a Class A Ground Fault Circuit Interrupter (GFCI) to prevent electric shock.
4. **Multi-Tap Design:** Utilize the multi-tap design to easily add or remove new circuits for connecting various pool and outdoor lights.

## OPERATING INSTRUCTIONS

---

### Pool Pump Timer Operation

- **Manual ON/OFF:** Use the physical ON/OFF button on the timer unit for immediate manual control.
- **Programmable Timer:** Utilize the Wi-Fi connectivity and the associated mobile application to set up to 12 ON/OFF schedules. This allows for automatic operation of your connected appliance at specific times.
- **Random Mode:** For security or varied operation, activate the random mode via the mobile application. This will turn the connected appliance on and off at irregular intervals within a set period.
- **Countdown Mode:** Set a countdown timer for the appliance to turn off after a specified duration.
- **Reset Function:** If a reset is needed, press the RESET button located on the timer unit using an insulated tool, such as a toothpick.

## MAINTENANCE

---

The DEWENWILS Pool Pump Timer and Low Voltage Transformer are constructed with durable metal and a sealed design for reliable outdoor performance. Regular maintenance is minimal:

- Periodically inspect the unit for any signs of damage or wear.
- Ensure the enclosure door remains securely closed to maintain its weatherproof integrity.
- Keep the area around the transformer clear to allow for proper heat dissipation.
- Clean the exterior with a damp cloth as needed. Do not use harsh chemicals or abrasive cleaners.

## TROUBLESHOOTING

---

If you encounter issues with your DEWENWILS Pool Pump Timer or Low Voltage Transformer, consider the following:

- **No Power:** Check the circuit breaker and ensure all wiring connections are secure. Verify the power source is active.
- **Timer Not Responding:** Ensure the unit is powered. If using Wi-Fi, check your router and internet connection. Try pressing the RESET button with an insulated tool.
- **Lights Not Working (Transformer):** Verify the 120V AC input to the transformer. Check the low voltage wiring to the lights for any breaks or loose connections. Ensure the lights themselves are functional. Confirm the GFCI circuit is not tripped.
- **Wi-Fi Connectivity Issues:** Ensure the timer is within range of your Wi-Fi router. Restart your router and the timer. Re-attempt the Wi-Fi setup process via the mobile application.

For persistent issues not resolved by these steps, please contact DEWENWILS customer support.

## CUSTOMER SUPPORT

---

For technical assistance, warranty information, or to report any issues, please contact DEWENWILS customer support through the official website or your purchase platform. Please have your product model number (B0D25778FP) and purchase date available when contacting support.