DEWENWILS PTW02

DEWENWILS Pool Pump Timer User Manual

Model: PTW02 | Brand: DEWENWILS

Introduction

Thank you for choosing the DEWENWILS Pool Pump Timer. This outdoor smart Wi-Fi box is designed to provide convenient and efficient control over your pool pump, water heater, and other heavy-duty appliances. With advanced timer functions, remote control via smartphone, and voice control compatibility, managing your devices has never been easier. Please read this manual thoroughly before installation and operation to ensure safe and optimal performance.

Safety Information

Always prioritize safety when working with electrical devices. This unit operates at 240VAC and handles up to 40A/3HP. Ensure power is disconnected at the main panel before servicing or wiring. Use copper conductors only, suitable for 90°C (194°F). Always close the door after use and utilize listed wiring connectors for grounding terminals. This product is designed for outdoor use with an IP44 waterproof rating, but it is not for water immersion. Operating temperature range is -40°F to 140°F.

Setup Guide

1. Package Contents

- DEWENWILS Pool Pump Timer Unit
- User Manual
- Mounting Hardware (screws, anchors)

2. Physical Installation

The timer unit features a durable metal housing designed for outdoor mounting. It includes a lockable latch for security. Ensure the mounting location is secure and allows for proper wiring access.



Figure 1: DEWENWILS Pool Pump Timer with open casing, showing internal wiring terminals and product specifications.

Wiring Instructions:

This timer features an innovative wiring design for easier installation. Refer to the internal diagram for correct connections. Ensure all connections are secure and comply with local electrical codes.

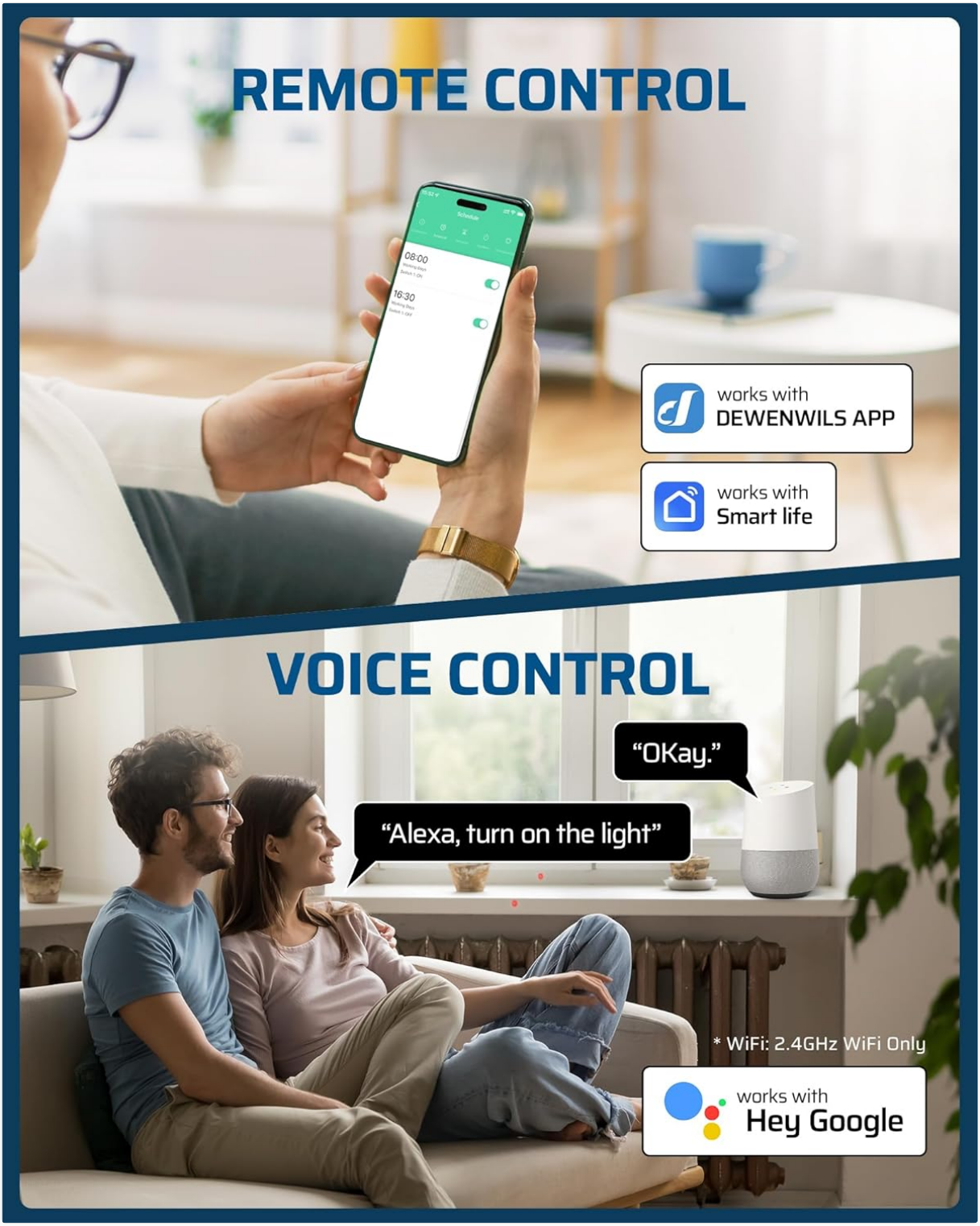


Figure 2: Close-up of the timer's internal wiring terminals (Load1, Line1, Load2, Line2) and caution label.

The unit supports 240V single or dual devices. For supply connections, use copper wire AWG 8-18. Always close the door after use and utilize listed wiring connectors for grounding terminals.

3. App Installation & Wi-Fi Connection

The DEWENWILS Pool Pump Timer is compatible with the dewenwils App and Smart Life App. Scan the QR code inside the unit's cover or visit a.smart321.com/dewenwilssmartiot to download the appropriate app from Google Play or the App Store. Follow the in-app instructions to connect the timer to your 2.4 GHz Wi-Fi network. Note that 5 GHz networks are not supported.

Operating Instructions

1. Timer Functions

The app allows you to set up to 15 ON/OFF settings using various timer modes:

- **Programmable Timer:** Set specific ON/OFF times for daily or weekly schedules.
- **Random Mode:** Randomize ON/OFF times to simulate occupancy.
- **Countdown Mode:** Set a countdown for a device to turn ON or OFF after a specified duration.
- **Astronomical Mode:** Automatically adjusts ON/OFF times based on local sunrise and sunset.

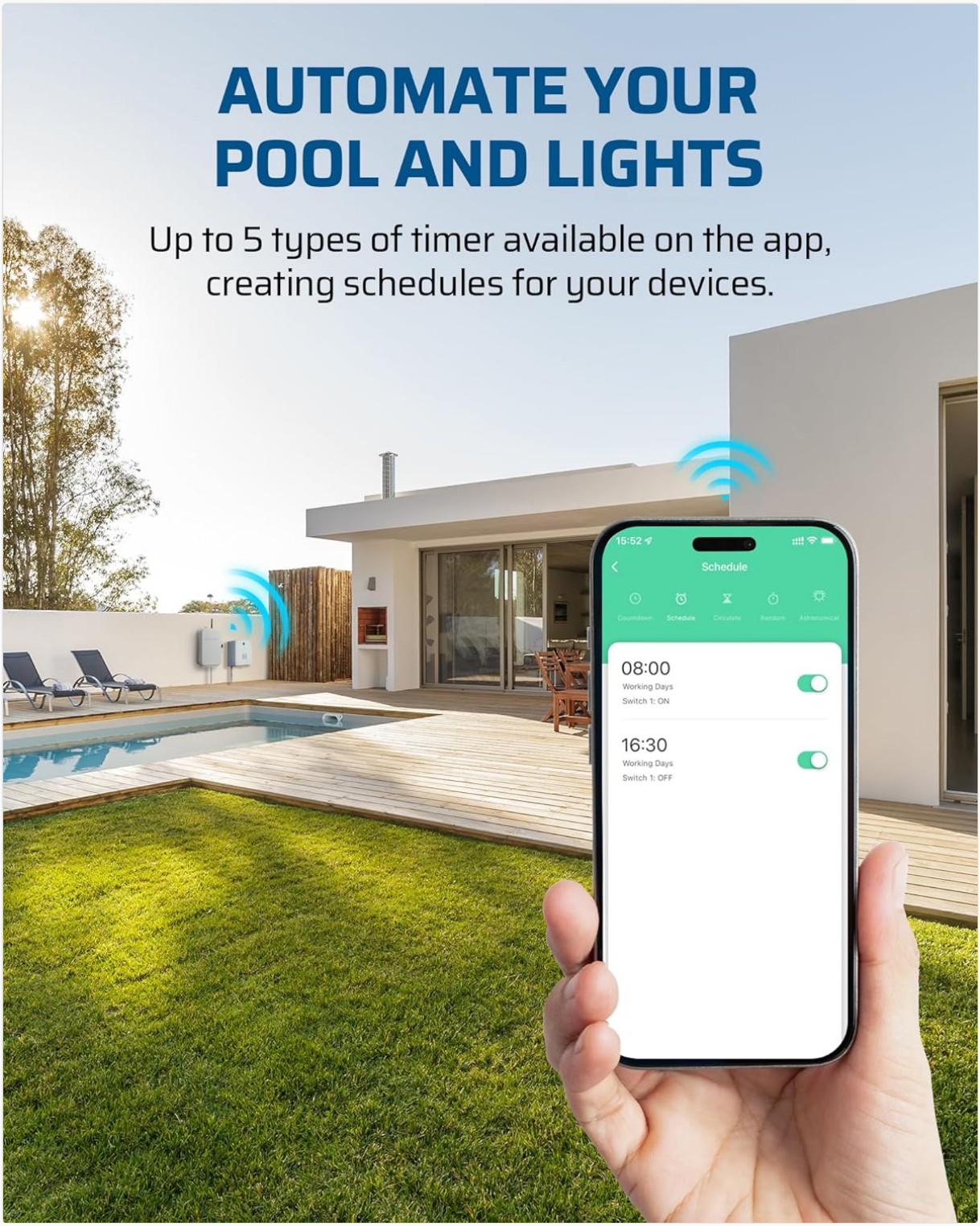


Figure 3: Automate your pool and lights using the app's scheduling features.

2. Remote & Voice Control

Once connected to Wi-Fi, you can control your devices from anywhere using your smartphone. The timer is also compatible with Amazon Alexa and Google Assistant, allowing for convenient voice commands.



Figure 4: Remote control via smartphone app and voice control compatibility with smart assistants.

Maintenance

The DEWENWILS Pool Pump Timer is built with a corrosion-resistant metal housing and is IP44 waterproof, ensuring durability in outdoor environments. To maintain optimal performance:

- Periodically inspect the unit for any signs of damage or wear.
- Ensure the door is securely latched to maintain its waterproof integrity.
- Keep the area around the timer clear of debris and obstructions.
- The unit is designed to operate in temperatures from -40°F to 140°F.



Figure 5: The timer's robust design ensures reliable operation across a wide temperature range and in various outdoor conditions.

Troubleshooting

- **Device not responding:** Check if the timer has power. Verify Wi-Fi connection in the app. Ensure the connected appliance is functioning correctly.
- **Wi-Fi connection issues:** Ensure your Wi-Fi network is 2.4 GHz. Move the timer closer to your Wi-Fi router if signal is weak. Restart your router and the timer unit.
- **Timer not activating/deactivating:** Double-check your schedule settings in the app. Ensure there are no conflicting schedules.
- **Physical damage:** If the unit shows signs of physical damage or water ingress, discontinue use immediately and contact customer support.

SPECIFICATIONS

Feature	Specification
Model Number	PTW02
Input Voltage	240VAC 60Hz
Output	40A Resistive 240VAC, 3HP 240VAC
Wi-Fi Support	2.4 GHz only
Operating Temperature	-40°F to 140°F (-40°C to 60°C)
Waterproof Rating	IP44
Material	Metal Housing
Dimensions (D x W x H)	4.72" x 6.69" x 7.87"
Certifications	ETL, FCC



Figure 6: Key power and connectivity specifications of the timer.

Warranty & Support

For warranty information and technical support, please refer to the documentation included with your product or visit the official DEWENWILS website. If you encounter any issues not covered in this manual, please contact DEWENWILS customer service for assistance.