TOPENS PW302

TOPENS PW302 Dual Swing Gate Opener

Instruction Manual

1. Introduction

The TOPENS PW302 Dual Swing Gate Opener is designed to automate light-duty dual swing gates. It features two stable 24VDC 30W motors, capable of driving gates up to 300lbs in weight or 12ft in length per gate leaf. This ultra-quiet electric gate motor provides automatic gate operation for enhanced convenience and security.



Figure 1: TOPENS PW302 Dual Swing Gate Opener and included components.

The system is versatile, supporting various gate types including steel, wood, vinyl, panel, tube, and chain-link designs. It offers both Pull-to-Open and Push-to-Open installation styles to suit different property layouts.

Figure 2: The PW302 opener is compatible with various gate materials and designs.

2. Safety Information

This gate opener incorporates multiple safety features. An advanced TOPENS code prevents unauthorized access. The electromagnetism limit switch is easily adjustable. For user safety, the gate will reverse upon the first obstruction and stop upon the second sequential obstruction during operation. The 'auto-close' function enhances property security after gate closure. 'Soft start and soft stop' features protect the motor, ensuring long-term outdoor use. A manual release key is included for backup operation during power outages.

3. Package Contents

The TOPENS PW302 Dual Swing Gate Opener package typically includes:

- 2 x Gate Opener Actuator (Arm), with a 5 feet 5-Conductor Cable per Arm

- 1 x DPS180-U AC-DC Power Supply, with a 3.3 feet Cord
- 1 x Waterproof Control Box
- 1 x Full Set of Required Installation Hardware
- 2 x M12 Remote Control Transmitters

4. Setup and Installation

4.1 Mechanical Installation

Installation of the gate opener is designed for DIY enthusiasts, typically taking a few hours with commonly available tools. Follow the user manual for detailed steps.

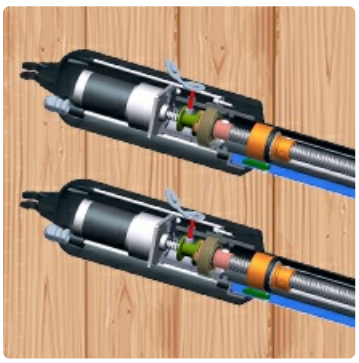


Figure 3: The internal mechanism of the gate opener arm.

4.2 Power Supply Connection

The PW302 gate opener can be powered directly by 100-240VAC electricity using the included DPS180-U power supply. For alternative power modes, an extra 24V 12Ah automotive/marine type battery (not mandatory) and a 20W solar panel (not included) can power the system. Note that the DPS180-U cannot connect with a battery or solar panel directly; the UPS01 adapter (not included) can be used to charge batteries and regulate solar charging current.

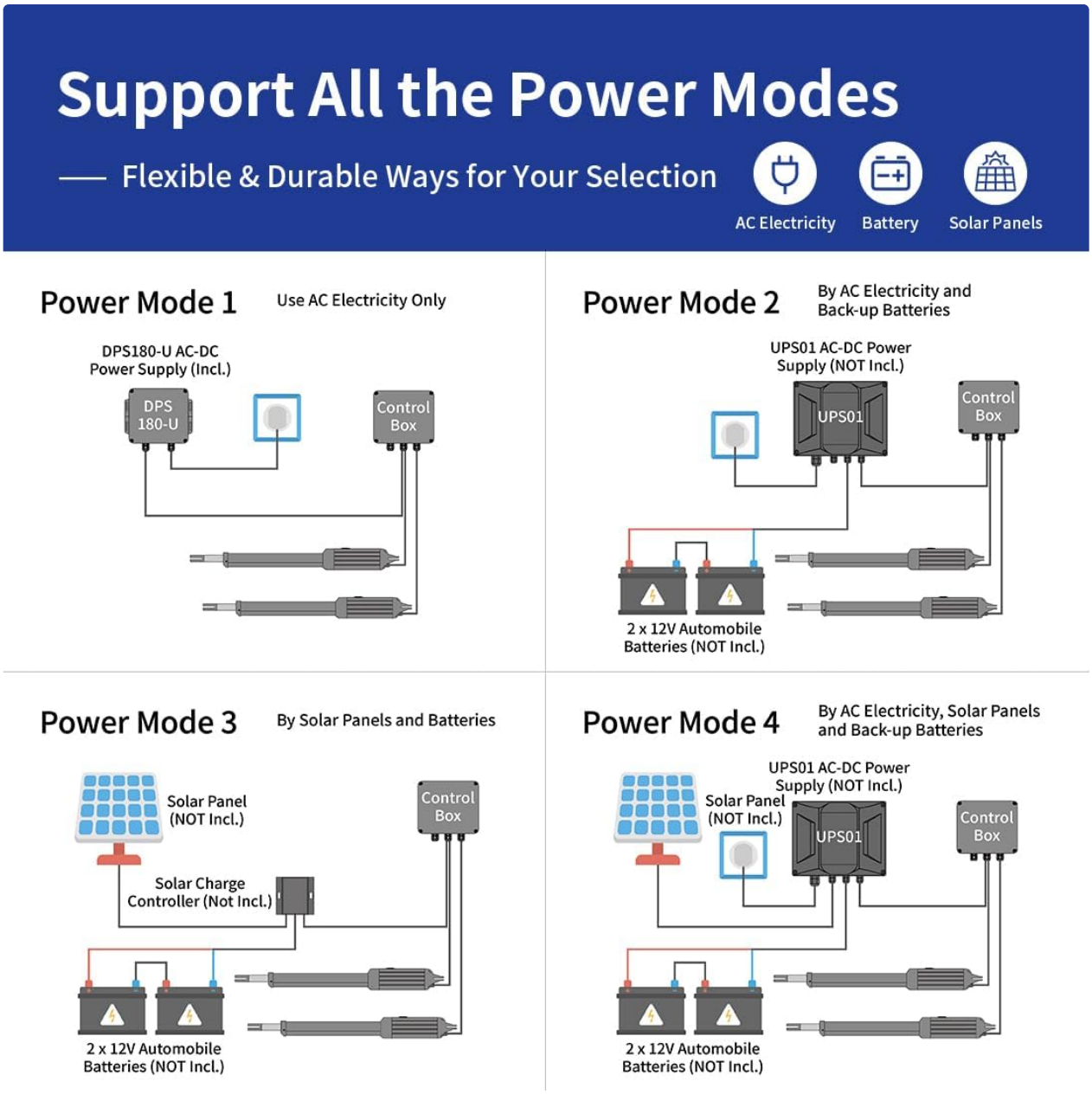


Figure 4: Various power supply configurations including AC electricity, battery, and solar panels.

4.3 Installation Video Guide

For a comprehensive visual guide on installation, please refer to the official TOPENS installation video:

Video 1: Detailed installation guide for the TOPENS PW302 gate opener.

5. Operating Instructions

5.1 Remote Control Operation

The gate opener is operated using the provided remote controls. Simply press the remote button to open or close the gate automatically.

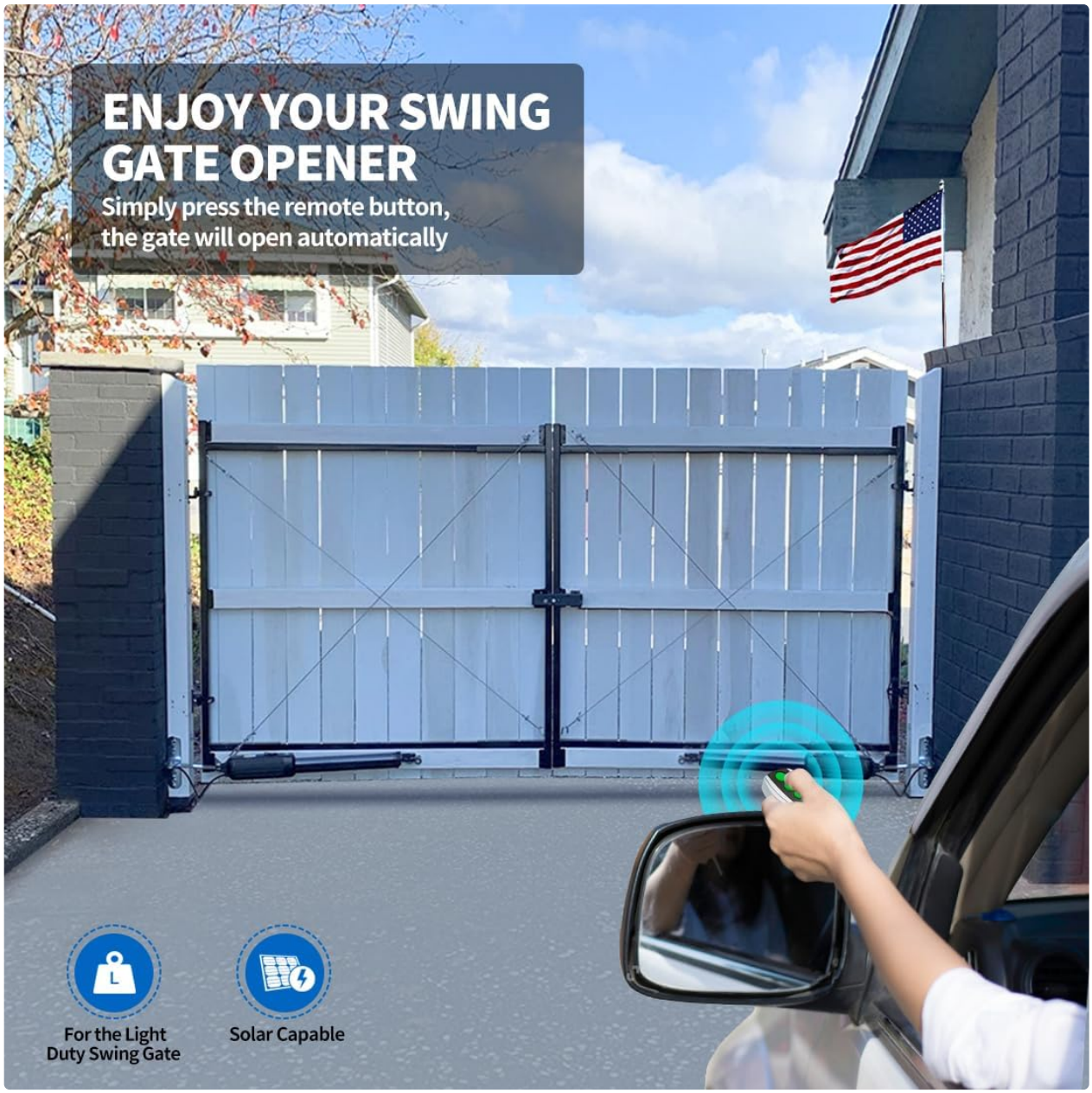


Figure 5: Operating the gate with the remote control.

5.2 Limit Switch Adjustment

The electromagnetism limit switch is easy to adjust to set the open and close positions of the gate. Refer to the detailed manual for precise adjustment procedures.

6. Maintenance

Regular maintenance is crucial for the longevity and optimal performance of your gate opener. Ensure the gate path is clear of obstructions. Periodically check all mounting hardware and electrical connections for tightness and wear. Keep the moving parts clean and lubricated as per the full user manual's recommendations.

7. Troubleshooting

If you encounter any issues with your TOPENS PW302 gate opener, please refer to the troubleshooting section in the comprehensive user manual. Common issues and their solutions are detailed there. If the problem persists, contact TOPENS customer support for professional assistance.

8. Specifications

Attribute	Value
Manufacturer	TOPENS
Part Number	PW302
Item Weight	40.3 pounds
Product Dimensions	4.1 x 33.7 x 3.3 inches
Country of Origin	China
Item Model Number	PW302
Batteries Required	Yes (6 CR2 batteries included for remotes)
Size	Large
Color	Black
Finish	Mixed
Voltage	24 Volts
Wattage	30 watts
Maximum Power	30 Watts
Sound Level	50 dB
Usage	General Purpose



	PW302	PW502	PW802
Performance	Light Duty	Medium Duty	Heavy Duty
Gate Capabilities	12ft or 300lbs Each Gate	16ft or 550lbs Each Gate	18ft or 880lbs Each Gate
Motor Voltage & Power	24VDC & 30W	24VDC & 50W	24VDC & 80W
Default Power Supply Mode	100-240VAC Electricity	100-240VAC Electricity	100-240VAC Electricity
Battery as Power Source	Alternative	Alternative	Alternative
Solar Compatible	√	√	√
# of Remote Controls Included	2	2	2
Compatible Accessories	All the TOPENS Accessories	All the TOPENS Accessories	All the TOPENS Accessories
Arm Dimension	33.7 x 3.3 x 4.1" (855 x 84 x 104 mm)	33.7 x 3.3 x 4.1" (855 x 84 x 104 mm)	33.7 x 3.3 x 4.1" (855 x 84 x 104 mm)

Figure 6: Comparison of PW302, PW502, and PW802 models.

9. Warranty and Support

TOPENS provides a 12-month warranty for this product. For any questions or professional assistance, TOPENS specialists are available to help. You can visit the TOPENS website to download the full user manual and access customized service.

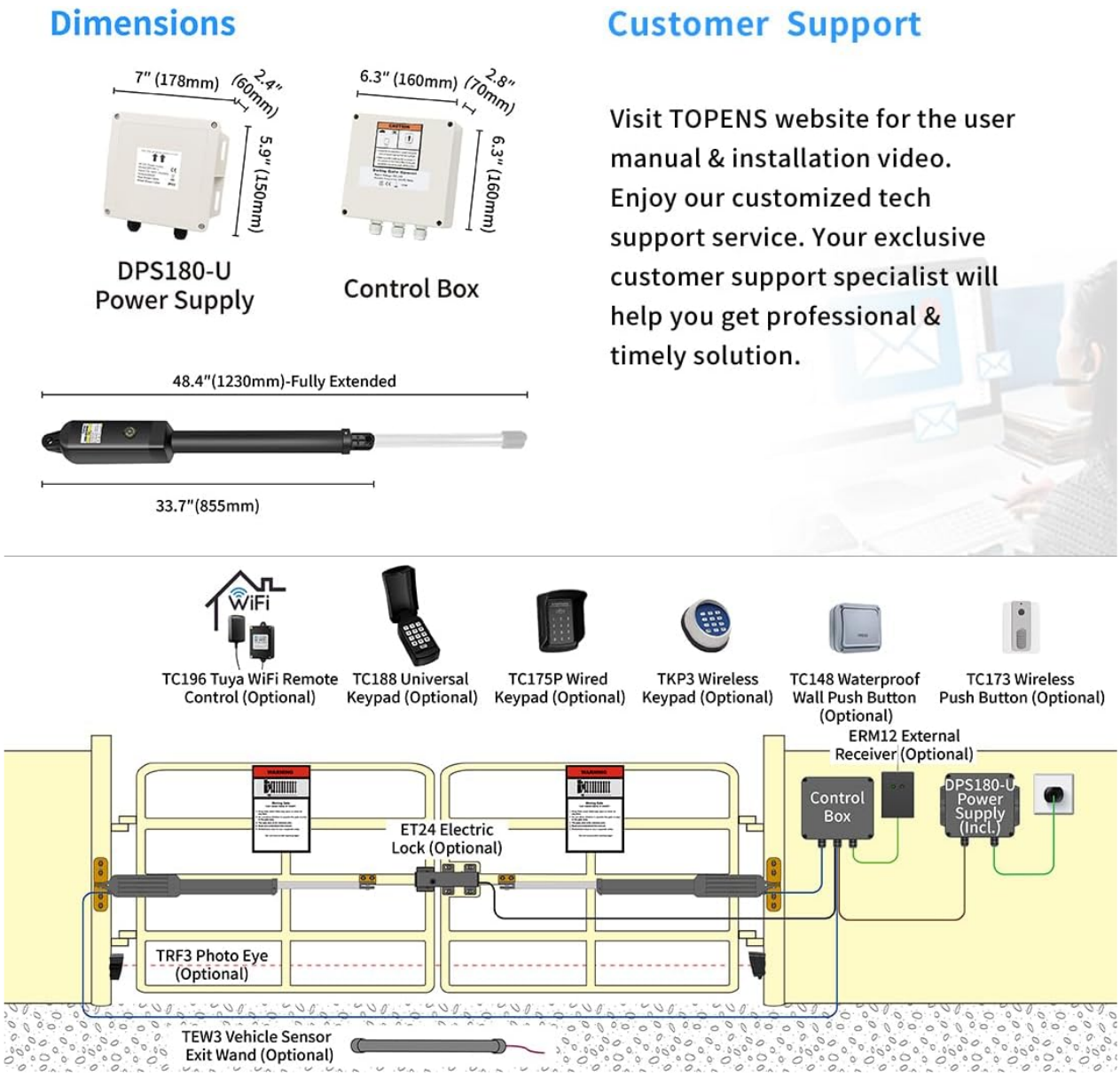


Figure 7: TOPENS customer support details and dimensions of components.

For the complete user manual in PDF format, please refer to the official document:User Manual (PDF)

Visit the official TOPENS Store for more information and accessories:TOPENS Store