

TOPENS AT1202

TOPENS AT1202 Automatic Dual Swing Gate Opener Instruction Manual

Comprehensive guide for installation, operation, and maintenance of your TOPENS AT1202 gate opener.

1. INTRODUCTION

The TOPENS AT1202 is an automatic gate opener designed for heavy-duty dual swing gates. This system provides convenience and security for residential, courtyard, ranch, and farm applications. It is equipped with two 24VDC 80W motors capable of operating gates up to 880lbs in weight or 18ft in length per gate leaf. This manual provides detailed instructions for safe and effective use of your gate opener.

2. SAFETY INFORMATION

Always prioritize safety during installation and operation. Read all warnings and instructions carefully before proceeding. Ensure all components are securely fastened and regularly check the system for proper function. The system includes features like obstacle detection (stop-and-reverse) and a manual release key for power outages.

3. PACKAGE CONTENTS

The TOPENS AT1202 package includes the following components:

- 2 x Gate Opener Actuators (Arms), each with a 5-foot 5-Conductor Cable
- 1 x Waterproof Control Box
- 2 x M12 Remote Control Transmitters
- 2 x Emergency Release Keys
- 1 x Full Set of Required Installation Hardware



Image: All components included in the TOPENS AT1202 Automatic Dual Swing Gate Opener package.

4. INSTALLATION GUIDE

The installation process requires basic tools and careful adherence to instructions. Refer to the user manual for detailed diagrams and measurements.

4.1. Pre-installation Considerations

Determine whether your gate opens inward or outward to select the correct installation mode (Pull-to-Open or Push-to-Open). Ensure the gate structure is robust enough to support the opener.

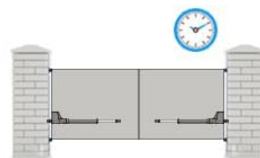
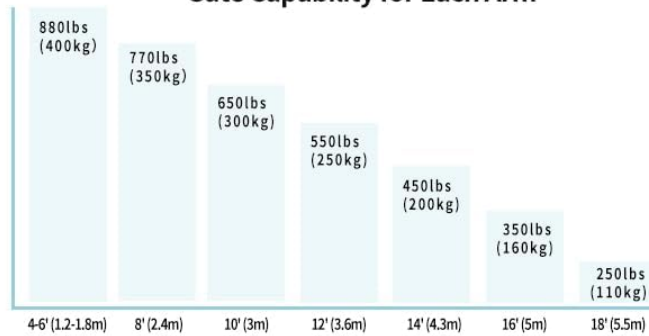
Why choose TOPENS ?

OVER 25 YEARS of experience specialized in gate automation industry, **TOPENS** has become one of the well-known and trusted consumer brands in North America.

Advanced technology to deliver safe, smart and reliable products, providing the **HIGH-QUALITY** gate openers & accessories with **LONG-LASTING** performance.

LIFE-TIME tech support. You will have an **EXCLUSIVE** customer support representative to assist you with all of your questions.

Gate Capability for Each Arm



Self-closing Setting



Soft Start & Soft Stop



Obstacle Adjusting



TOPENS Advanced Security Code



Gate Swing In
Pull-to-open Installation Mode



Gate Swing Out
Push-to-open Installation Mode

Image: Key features of the TOPENS AT1202 system, including self-closing, soft start/stop, obstacle adjusting, and advanced security code.

4.2. Mounting the Actuators

Mount the gate opener arms to the gate and posts according to the provided diagrams in the manual. Ensure the arms are level and securely fastened. The post bracket and post pivot bracket must be assembled correctly.

Dimensions



Customer Support

Visit TOPENS website for the user manual & installation video. Enjoy our customized tech support service. Your exclusive customer support specialist will help you get professional & timely solution.

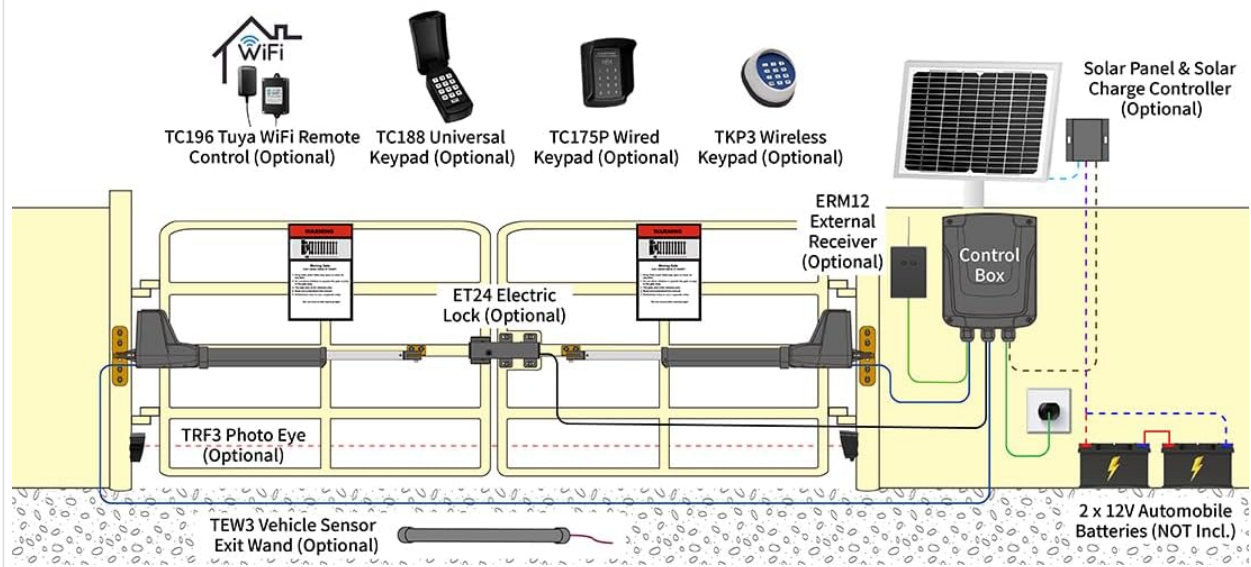


Image: Dimensions of the TOPENS AT1202 control box and actuator arm for installation planning.

4.3. Wiring the Control Board

Connect the actuator arms to the control board. The control box houses the main circuit board and transformer. Ensure all wiring connections are secure and follow the color-coded instructions in the manual.

STRONG POWERFUL MOTOR

Easy DIY Installation with Assembly Parts Included



Image: Detailed view of the motor's internal components, highlighting the electromagnetism limit switch, smart chip, remote control, manual release key, and 5-conductor cable.

4.4. Power Supply Options

The AT1202 can be powered in multiple ways:

1. **AC Electricity Only:** Connect directly to 110-120VAC power.
2. **AC Electricity with Battery Backup:** Integrate a 24V 12Ah automotive/marine type battery (not included) as a backup power source.
3. **AC Electricity, Solar Panels, and Battery Backup:** Combine AC electricity with a 20W solar panel and solar charge controller (not included) for battery charging and backup.

Supported Power Modes

— Multiple & Reliable Ways for Your Selection



AC Electricity

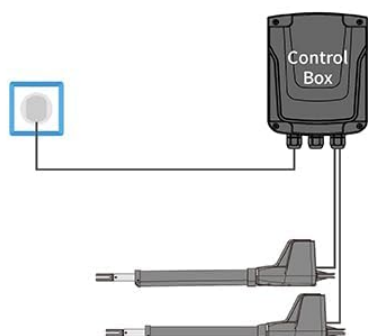


Battery

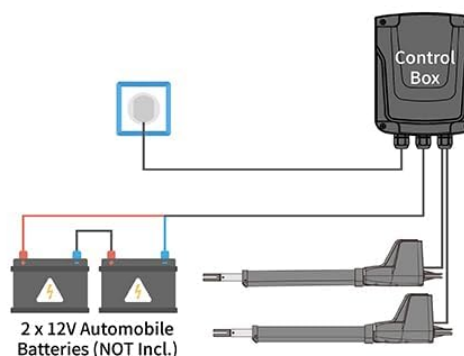


Solar Panels

Power Mode 1 Use AC Electricity Only



Power Mode 2 By AC Electricity and Back-up Batteries



Power Mode 3 By AC Electricity, Solar Panels and Back-up Batteries

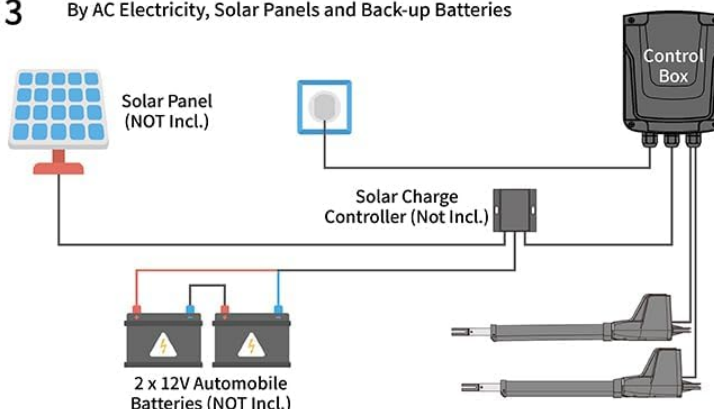


Image: Visual representation of the three supported power modes for the AT1202 gate opener.

4.5. Installation Video

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Video: A detailed installation guide for the TOPENS AT1202 gate opener, provided by TOPENS.

5. OPERATION

5.1. Remote Control Programming

The system includes M12 remote control transmitters. Follow the instructions in the manual to program your remotes for secure operation. The remotes utilize advanced TOPENS code technology for protection against unauthorized access.

5.2. Limit Switch Adjustment

The electromagnetism limit switch can be easily adjusted to define the open and close positions of your gate. Refer to the manual for precise adjustment steps.

5.3. Control Board Settings

The control board allows for various settings, including auto-close duration, soft start and soft stop functions, and obstacle detection sensitivity. Consult the manual for detailed configuration of these features.

5.4. General Operation Video

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Video: An overview of the TOPENS AT1202 Swing Gate Opener in operation, demonstrating its AC electricity powered functionality.

6. ACCESSORIES

The TOPENS AT1202 is compatible with a range of accessories to enhance functionality and security. These include various keypads, vehicle sensors, safety photocell sensors, and warning lights.

Compatible Accessories

Available at TOPENS Online Store

			
TC196 Tuya WiFi Remote Control	TC188 Universal Keypad	TC175P Wired Keypad	TKP3 Wireless Keypad
			
TEW3 Vehicle Sensor Exit Wand	HLR01 Homelink Remote Control Kit	TSP30W 24V 30W Solar Panel Charging Kit	TSQ20W 24V 20W Solar Panel Kit
			
ET24 Electric Gate Lock	TRF3 Reflection Photocell Sensor	TC102 Photo Eye Beam Sensor	JD24VY Warning Light
			
M12 Remote Control Transmitter	ERM12 Universal External Receiver	TC148 Waterproof Wall Push Button	TC173 Wireless Push Button

Image: A selection of compatible accessories available for TOPENS gate openers.

7. SPECIFICATIONS

Specification	Value
Model Number	AT1202
Maximum Gate Weight Capacity	880 Pounds
Maximum Gate Length per Leaf	18 Feet
Motor Voltage & Power	24VDC & 80W
Power Source	110-120VAC Electricity (Optional 24V Battery/Solar)
Sound Level	50 Decibels
Item Weight	47.4 pounds
Product Dimensions	32.6 x 4.9 x 8.2 inches
IP Rating	IP44

8. TROUBLESHOOTING

If you encounter issues with your AT1202 gate opener, refer to the troubleshooting section in the full user manual for specific solutions. Common issues may include:

- Gate not opening/closing fully: Check limit switch settings and gate path for obstructions.
- Remote control not working: Verify programming and battery status.
- Power issues: Ensure stable AC power supply or check battery connections if using backup.

The system features a stop-and-reverse function for obstacle detection during operation, which can help diagnose issues related to obstructions.

9. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your gate opener. Perform periodic checks of the following:






- **Mechanical Components:** Inspect hinges, brackets, and actuator arms for wear, damage, or loose fasteners. Lubricate moving parts as recommended in the manual.
- **Electrical Connections:** Ensure all wiring connections in the control box and to the power source are secure and free from corrosion.
- **Safety Devices:** Test safety photocell sensors and other safety features regularly to confirm proper function.
- **Gate Movement:** Manually open and close the gate to check for smooth movement and any resistance that could affect the opener's performance.





10. WARRANTY & SUPPORT

All TOPENS products come with a 12-month warranty against defects and a 30-day exchange & return policy. For further assistance, visit the official TOPENS website for the full user manual, additional installation videos, and personalized service.

TOPENS is committed to providing professional solutions for any questions or support needs. You can reach customer support via email at support@topens.com. Kindly include your product model, purchasing date & site, order number, and your contact information for efficient service. All concerns are typically addressed within 24 hours.

Related Documents - AT1202

	<p>TOPENS Automatic Gate Openers - RK1200T, AT1202, A8131 Product Overview</p> <p>Explore the TOPENS range of automatic gate openers, featuring the RK1200T sliding gate opener, AT1202 dual swing gate opener, and A8131 single swing gate opener. Learn about their robust features, security benefits, and specifications for driveway automation.</p>
	<p>TOPENS Dual Swing Gate Opener User's Manual AT602/AT1202</p> <p>Comprehensive user manual for TOPENS AT602 and AT1202 Dual Swing Gate Openers, covering safety, installation, parts, technical specifications, operation, remote programming, control board settings, maintenance, and troubleshooting.</p>
	<p>TOPENS AT602/AT1202 Installation Manual for Dual Swing Gate</p> <p>Comprehensive installation manual for TOPENS AT602 and AT1202 dual swing gate openers. Covers safety information, packing list, installation overview, specifications, and step-by-step mounting instructions for pull-to-open and push-to-open configurations.</p>
	<p>TOPENS AT602/AT1202 Bedienungsanleitung: Doppelflügeltorantrieb Installation und Betrieb</p> <p>Umfassende Bedienungsanleitung für die TOPENS AT602 und AT1202 Doppelflügeltorantriebe. Enthält detaillierte Installationsschritte, Sicherheitshinweise, technische Spezifikationen, Wartung und Fehlerbehebung für automatische Schwingtore.</p>
	<p>TOPENS AT6132/AT12132 Dual Swing Gate Opener User Manual</p> <p>Comprehensive user manual for TOPENS AT6132 and AT12132 series dual swing gate openers. Covers installation, safety, operation, maintenance, and troubleshooting for automatic driveway gates.</p>

<div data-bbox="132 107 295 353"><div></div><div>Sliding Gate Opener User's Manual</div><div>Model: DKC500(S/Y)</div><div></div><div></div><div>www.topens.com</div><div><div>Read and follow all warnings, precautions and instructions before installing and using the product to avoid personal injury or damage to property. Read the manual of the opener as required to ensure safe operation.</div><div></div></div></div>	<div data-bbox="343 190 1021 224">TOPENS DKC500(S/Y) Sliding Gate Opener User's Manual</div> <div data-bbox="343 235 1428 347"><p>This user manual provides comprehensive instructions for the installation, operation, and maintenance of the TOPENS DKC500(S/Y) Sliding Gate Opener. It includes safety precautions, parts lists, technical specifications, and troubleshooting guides.</p></div>
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