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› TMT Clifford 400 Single Automatic Gate Opener User Manual

TMT Clifford 400

TMT Clifford 400 Single Automatic Gate Opener User Manual

Model: Clifford 400 | Brand: TMT

1. INTRODUCTION

The TMT Clifford 400 Single Automatic Gate Opener is designed for heavy-duty swing gates, supporting gates up to 20 feet in length and 950 pounds in weight. Constructed with a durable aluminum alloy shell, it ensures reliable operation in various weather conditions, from -4°F to 122°F. This system offers flexible power options including AC electricity, battery, and solar compatibility, with two 10-watt solar panels included for energy efficiency. Control your gate effortlessly using the included remote control or the convenient Chow! App via Wi-Fi and Bluetooth.

VARIOUS APPLICATIONS

From Farm to Home



Figure 1.1: The TMT Clifford 400 is suitable for various applications, from farm gates to residential driveways.

2. SAFETY INFORMATION

Read all instructions carefully before installation and operation. Failure to follow these instructions may result in serious injury or property damage. Keep the area around the gate clear of obstructions and people, especially children and pets, during operation. Do not allow children to operate the gate opener or play near the gate. Ensure all safety devices, such as photo-eye sensors (if installed), are functioning correctly. Disconnect power before performing any maintenance or service.

3. PACKAGE CONTENTS

Verify that all components listed below are present in your package:

- Clifford 400 Swing Gate Opener
- Solar Panel Kit (two 10-watt solar panels)

- CB236 Control Box
- 433MHz Remote Control
- Mounting Hardware
- 24V DC Power Supply
- Battery Connecting Wire
- Solar Panel Wire
- Power Supply Box (Note: Two 12V batteries are not included)
- Installation Manual (this document)



Figure 3.1: Complete package contents of the TMT Clifford 400 Single Automatic Gate Opener.

4. SETUP AND INSTALLATION

The TMT Clifford 400 is designed for straightforward installation using basic household tools. No welding or high-voltage wiring is required. This gate opener supports both Pull-to-Open and Push-to-Open configurations.

4.1 Power Supply Options

The system offers flexible power options:

- **AC Electricity:** Connect the 24V DC power supply to a standard AC outlet.
- **Battery Power:** The system can operate using two 12V batteries (not included) installed in the power supply box.
- **Solar Power:** Utilize the included two 10-watt solar panels to charge the batteries, reducing energy costs.

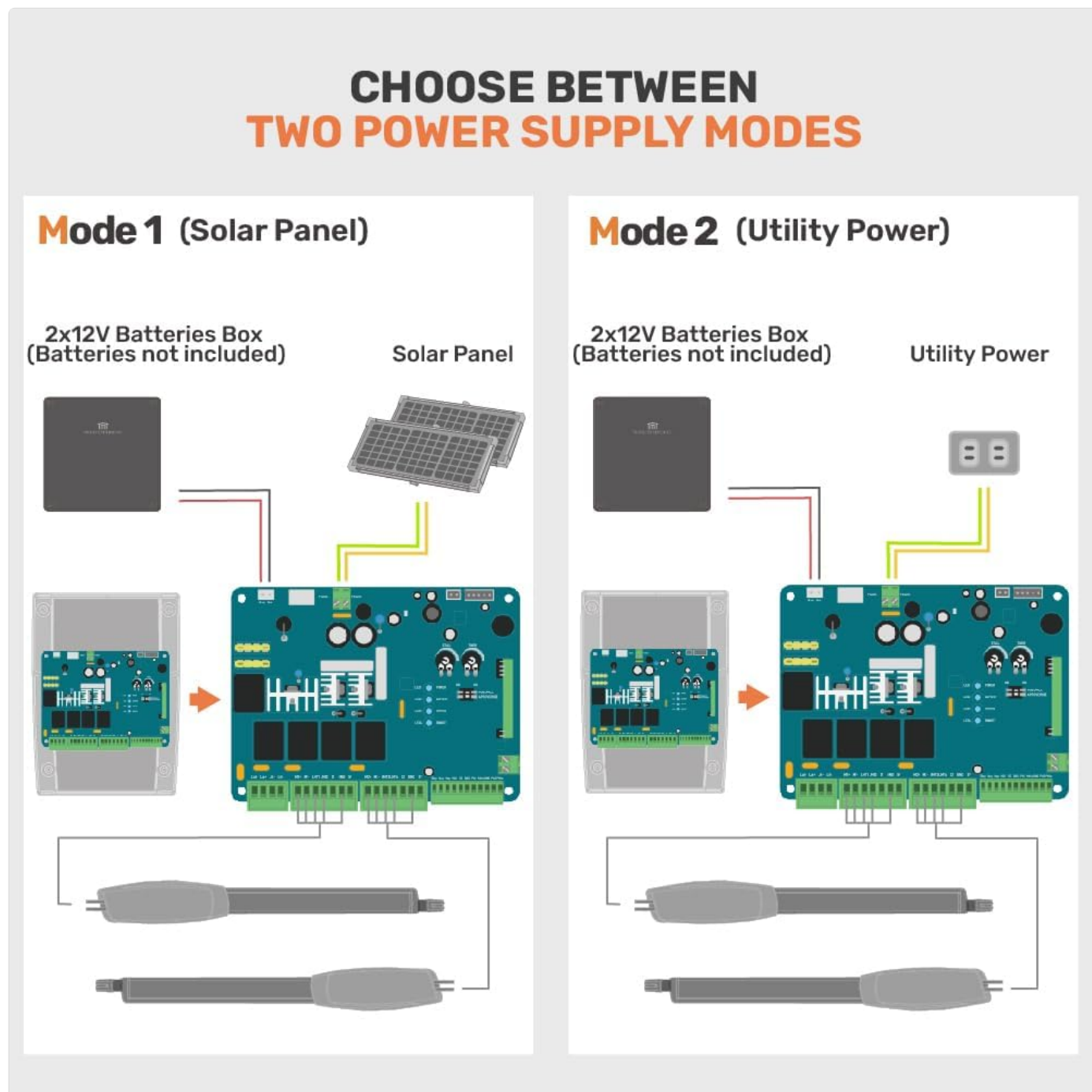
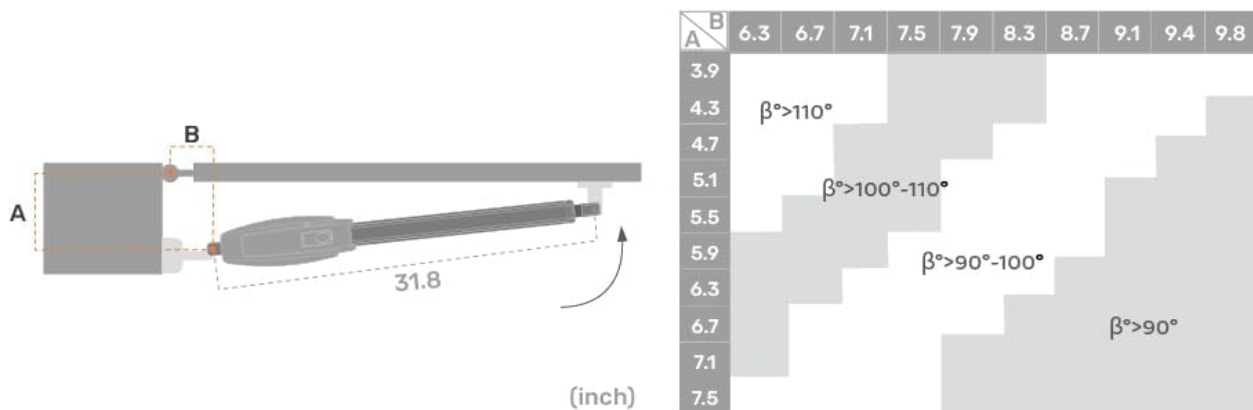


Figure 4.1: Power supply options for the TMT Clifford 400, including solar and utility power.

4.2 Mounting the Actuator

Carefully plan the mounting location for the actuator arm to ensure proper gate movement. Refer to the diagrams below for outward and inward opening configurations to determine optimal mounting points (A and B) and dimensions.

OUTWARD OPENING



INWARD OPENING

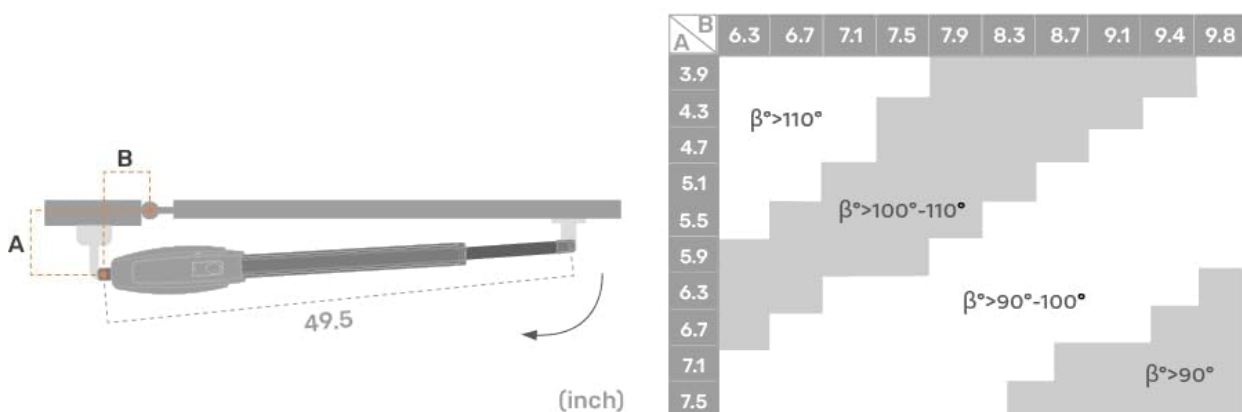


Figure 4.2: Mounting diagrams for outward and inward opening gates.

For tubular or chain-link gates, specialized clamps are provided to secure the actuator arm.



Figure 4.3: Clamps for tubular gate installation.

4.3 Installation Examples

The TMT Clifford 400 can be installed on various gate types. Below are examples of typical installations:



Metal Gate Installation



Wooden Fence Gate Installation



Large Wooden Gate Installation



White Metal Gate Installation

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

Your browser does not support the video tag.

Video 4.1: TMT Clifford 400 & 500 Automatic Gate Openers (APP Compatible) - This video provides an overview of the gate opener's features and installation process.

5. OPERATING INSTRUCTIONS

5.1 Remote Control Operation

The included 433MHz remote control allows you to open and close your gate from up to 328 feet away. The remote features professional rolling code technology for enhanced security, preventing unauthorized copying.



Figure 5.1: Operating the gate with the remote control.

5.2 Chow! App Operation

Control your gate opener using the Chow! App on your smartphone via Wi-Fi and Bluetooth. The app allows you to open,

close, and manage your gate from anywhere.

INTELLIGENT OPERATION

Remote Control Your Gate



Chow! app with Wi-Fi and Bluetooth to operate the gate opener anytime.



Easy to Share

Share your access freely with up to 10 users, enabling your friends, family, and colleagues to gain entry for free.

Master Your Gates

Effortlessly pair your TMT Gate with the Chow! app, providing unlimited control over all your TMT openers.

Safeguarding Home and Family

Ensure the safety of your home and family with notifications on your Chow! App for every entry through your gate.

Figure 5.2: Intelligent operation via the Chow! App.

Download the Chow! App from your device's app store or by scanning the QR code provided in the product packaging or on the product page. The app allows for easy sharing of access with up to 10 users, providing convenience for family and friends.

Download the Chow! App: <http://onelink.to/tmk5na>

5.3 Manual Release

In case of power outage or emergency, the gate opener can be fully released, allowing you to move the actuator arm with minimal force to manually open or close the gate.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your TMT Clifford 400 gate opener.

- **Cleanliness:** Keep the actuator arm and control box free from dirt, debris, and ice.
- **Lubrication:** Periodically check and lubricate moving parts as recommended in the detailed manual (if applicable).
- **Battery Check:** If using battery power, regularly check battery terminals for corrosion and ensure batteries are holding a charge.
- **Hardware Inspection:** Periodically inspect all mounting hardware for tightness and signs of wear. Tighten any loose bolts.
- **Gate Condition:** Ensure your gate itself is in good working order, with hinges and wheels (if applicable) moving freely.

7. TROUBLESHOOTING

If you encounter issues with your TMT Clifford 400 gate opener, consider the following common troubleshooting steps:

- **Gate Not Responding:** Check power connections, remote control battery, and ensure the manual release is not engaged.
- **Intermittent Operation:** Verify stable power supply, check for obstructions in the gate's path, and ensure proper alignment of photo-eye sensors.
- **Unusual Noises:** Inspect for loose components or obstructions. Lubricate moving parts if necessary.
- **App Connectivity Issues:** Ensure your smartphone's Wi-Fi and Bluetooth are enabled and within range. Restart the app or your phone.

For more detailed troubleshooting or persistent issues, please refer to the comprehensive user manual or contact TMT customer support.

8. SPECIFICATIONS

Feature	Specification
Brand	TMT Automation Inc
Model	Clifford 400
Max Gate Weight	950 lb
Max Gate Length	20 ft
Material	Aluminum Alloy Shell
Operating Temperature	-4°F to 122°F
Power Supply	AC Electricity, Battery (2x12V, not included), Solar Compatible
Solar Panels Included	Two 10-watt panels
Remote Control Range	Up to 328 ft
App Compatibility	Chow! App (Wi-Fi & Bluetooth)
Item Weight	19.62 pounds
Product Dimensions	36.53 x 5.35 x 4.96 inches

9. WARRANTY AND SUPPORT

TMT Automation Inc. provides a warranty for its products. The motor is covered for 24 months, and other components are covered for 12 months. For warranty claims or technical support, please contact TMT Automation Inc. customer service.

For North America ONLY, you can reach support at: [1-310-367-6086](tel:1-310-367-6086)

For help in other regions, please refer to our main site at <https://www.tmt-automation.com> or email sales@tmt-automation.com.



Figure 9.1: TMT Customer Support Information.

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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.

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Email

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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

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