



GP1000 Sliding Gate Opener
User Manual

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GP1000 SLIDING GATE OPENER USER MANUAL

IMPORTANT SAFETY GUIDELINES

Please Read This Manual Before Installation: This document contains essential guidelines regarding the installation, use, maintenance, and safety of the GATEPRO GP1000. Failure to follow these instructions could result in damage to the equipment, personal injury, or property damage. **THIS PRODUCT MUST BE INSTALLED AND SERVICED IN ACCORDANCE WITH THIS MANUAL & BY A TRAINED GATE SYSTEMS TECHNICIAN.**

Prohibited Operations: Any operation not explicitly outlined in this manual is strictly prohibited. Unauthorized actions may compromise the safety and functionality of the gate opener.

Safety and Compliance:

- **Adhere to Standards:** All installations must comply with local building codes and electrical regulations to ensure safety and functionality.
- **Pre-installation Checks:** Confirm whether additional equipment or materials are required to meet site-specific needs before starting the installation.
- **Proper Disposal:** Dispose of packaging materials according to local environmental regulations.
- **Authorized Parts Only:** Use only original parts for repairs and maintenance. Third-party components may compromise safety and void the warranty.
- **Electrical Safety:** Ensure all electrical installations are performed by a licensed professional. The motor and electrical connections must remain unplugged during installation.
- **Avoid Liquid Exposure:** Prevent water or other liquids from entering the controller or any open components. If liquid exposure occurs, disconnect the power supply immediately and seek professional assistance.
- **Installation Location:** Do not install the operator in areas with explosive atmospheres, high humidity, or flood risks.
- **Proper Motor Handling:** Ensure the power cord is disconnected, and the motor cover is removed before installation. Position the motor securely on the mounting plate.
- **No Unauthorized Modifications:** Modifications to the control or mechanical components are not permitted unless explicitly authorized by GATEPRO. Unauthorized alterations void the warranty and could lead to system malfunctions.



GP1000 SLIDING GATE OPENER USER MANUAL

Important Safety Instructions: Please read & follow Safety Instructions and always display warning signs on the street-facing side of the property to alert pedestrians and vehicles of the automated gate system.

Important Safety Instructions

WARNING

To prevent possible **SERIOUS INJURY** or **DEATH**:

- **READ AND FOLLOW ALL INSTRUCTIONS.**
- **NEVER** let children operate or play with gate/door controls. Keep the remote control away from children.
- **ALWAYS** keep people and objects away from the gate/door. **NO ONE SHOULD CROSS THE PATH OF THE MOVING GATE.**
- **Test the gate operator monthly. The gate MUST reverse on contact with an object or reverse when an object activates the noncontact sensors. After adjusting the force or the limit of travel, retest the gate operator. Failure to adjust and retest the operator properly can increase the risk of INJURY or DEATH.**
- Use the manual disconnect release **ONLY** when the gate is not moving.
- **KEEP GATES PROPERLY MAINTAINED.** Read the owner's manual.
- Have a qualified service person make repairs to gate hardware
- The entrance is for vehicles **ONLY**. Pedestrians **MUST** use separate entrance.
- **SAVE THESE INSTRUCTIONS.**




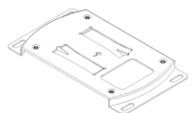





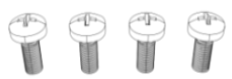
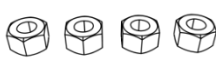
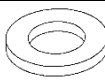


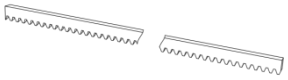
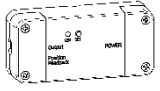
WARNING

To reduce the risk of **SEVERE INJURY** or **DEATH**:

- **ANY** maintenance to the operator or in the area near the operator **MUST NOT** be performed until disconnecting the electrical power (AC and battery) and locking-out the power via the operator power switch. Upon completion of maintenance the area **MUST** be cleared and secured, at that time the unit may be returned to service.
- Disconnect power at the fuse box **BEFORE** proceeding. Operator **MUST** be properly grounded and connected in accordance with national and local electrical codes.
- **ALL** electrical connections **MUST** be made by a qualified individual.
- **DO NOT** install **ANY** wiring or attempt to run the operator without consulting the wiring diagram.
- **ALL** power wiring should be on a dedicated circuit and well protected. The location of the power disconnect should be visible and clearly labeled.
- **ALL** power and control wiring **MUST** be run in separate conduit.

NOTE: The operator should be on a separate fused line of adequate capacity.

CARTON INVENTORY

No.	Picture	Name	Quantity
1		Motor	1
2		Mounting Plate	1
3		Expansion Bolt M10x120	4
4		Manual Release Keys	2
5		Remote Control	2
6		Spring Limit Switch Accessories Box	1
6-1-1		Spring Limit Stop	1
		Spring Limit Stop Mounting Screw M6X10	4
6-2		Nuts M10	4
6-3		Flat Washers φ10	8
6-4		Spring Washers φ10	8
6-5		Hexagon Head Bolt M10x35	4
1		Galvanized Gear Rack	1m/pc
3		Reflective Photocell	1 set
6		WIFI Adapter	1 set

GP1000 SLIDING GATE OPENER USER MANUAL

Optional Accessories:

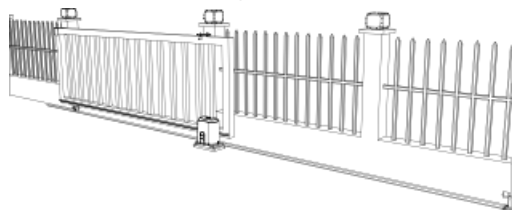
- **Additional Remote Controls:** Spare remotes that can be paired with the motor to provide extra convenience for multiple users.
- **Wireless Keypad:** Allows secure access through the gate using a user-defined code, ideal for properties requiring controlled entry.
- **Wired Control:** Enables gate operation through an external push-button for manual control when required.
- **Lithium and/or Lead-Acid Battery (24V):** Provides backup power to ensure uninterrupted gate operation during power outages. Compatible with both lithium and lead-acid battery types for flexibility in power solutions.

PRODUCT SPECIFICATIONS

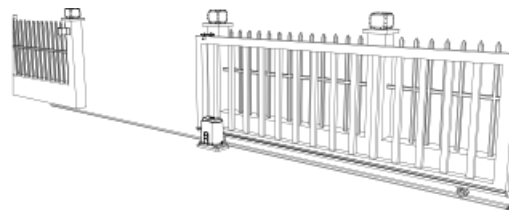
MODEL	GP800	GP1000
POWER SUPPLY	110VAC/60HZ; 220VAC/50HZ	
MOTOR POWER	200W	250W
GATE MOVING SPEED	18M/MIN	24M/MIN
MAXIMUM LOADING WEIGHT	800KGS	1000KGS
REMOTE CONTROL DISTANCE	≥30M	
REMOTE CONTROL MODE	SINGLE BUTTON MODE / THREE BUTTON MODE	
LIMIT SWITCH	SPRING LIMIT SWITCH	
WORKING NOISE	≤56DB	
WORKING DUTY	S2, 20MIN	
RECORDING OF UP REMOTE CONTROLS	32	
REMOTE FREQUENCY	433.92 MHZ	
WORKING TEMPERATURE	-20°C- +70°C	
OVERLOOK SIZE	293X247X300MM	
PACKAGE WEIGHT	12.6KGS	13KGS

DEFAULT SETTING

The gate opener will open the gate to the right-hand side as its default setting. By default, the opener mounts on the right-hand side.



Gate in closed position

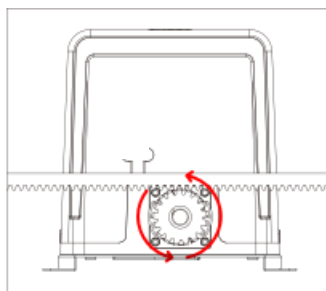


Gate in open position

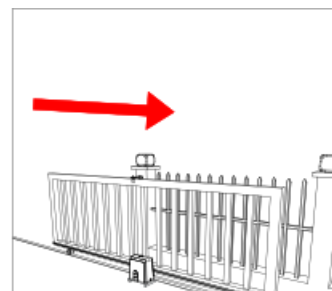
Before installation: Test the gate opener by plugging it into a power source and pressing the remote. Press the opening button, the output gear rotates, then press the stop button, the output gear stops rotating. Finally, press the closing button, the output gear rotates to the opposite direction. This will give you an understanding of the way in which the opener will move the gate.



Press the first/top button
on the remote.



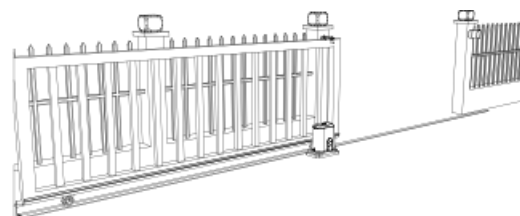
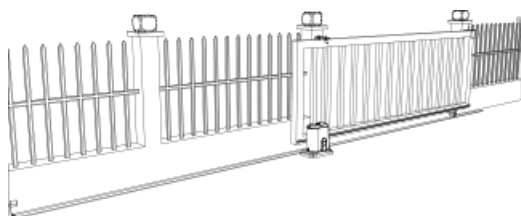
Rotating output gear will
drive the gate frame.



Then the gate will move in
the set direction.

Note: Ensure that the gate opener is unplugged before proceeding with installation. Please keep fingers away from the motor output gear whilst it is turning.

If your gate needs to open from the other direction, your opener needs to be mounted on the left-hand side as shown, the relative wires need to be swapped over, please check under “Terminal Instructions” for swapping. (Factory default setting is for right-hand opening: **opener mounted on the right-hand side**).



ANY WORKS DONE TO THE GATE OPENER MUST BE COMPLETED WHILST THE POWER IS OFF, AND THE OPENER IS UNPLUGGED.

INSTALLATION

Getting Started:

- The GP1000 Sliding Gate Automation Kit is designed to power the opening and closing motions of gates weighing up to a max of 1000kg with a maximum gate length of 8 feet.
- Gate movement is achieved through the rotating output gear of the gate opener, which drives a gear rack (sold separately) attached to the moving gate.
- For safety, the gate opener operates via a remote control. One press opens the gate, and another press closes it.
- The opener must be installed within private property boundaries and should not be installed externally or at the edge of the property.

Critical Safety Note:

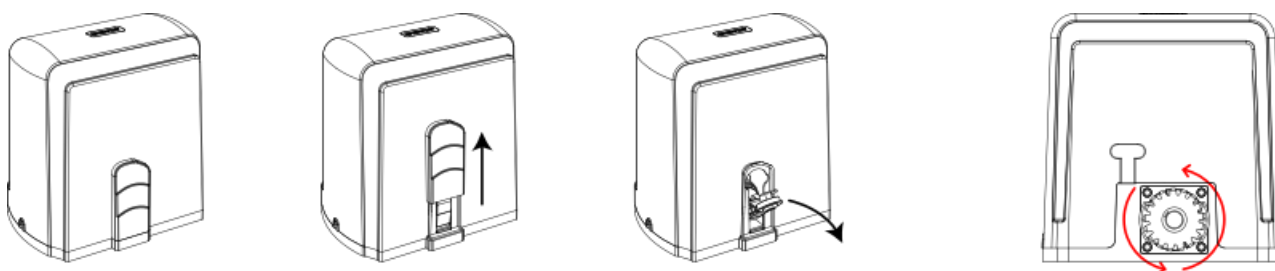
- **ALWAYS DISCONNECT THE POWER SUPPLY AND ENSURE THE OPENER IS UNPLUGGED BEFORE PERFORMING ANY WORK.**
- Modifications, alterations, or work on AC power components must only be conducted by a licensed electrician.

Gate Preparation

- Confirm that the sliding gate is properly installed before proceeding with the installation of the gate opener.
 - Ensure the gate is horizontal, level, and glides smoothly when moved manually.
 - Verify that wheels and guide rollers rotate freely and are clean, free from dirt or grime.
 - Check that the track is flat, level, and securely affixed.
 - Address any misalignment in the gate, as it can negatively impact the performance of the automatic gate opener.

Manual Disconnect Verification

- Insert the key and open the manual release lever to switch the motor to manual mode. Verify that the motor's output gear rotates freely by hand.

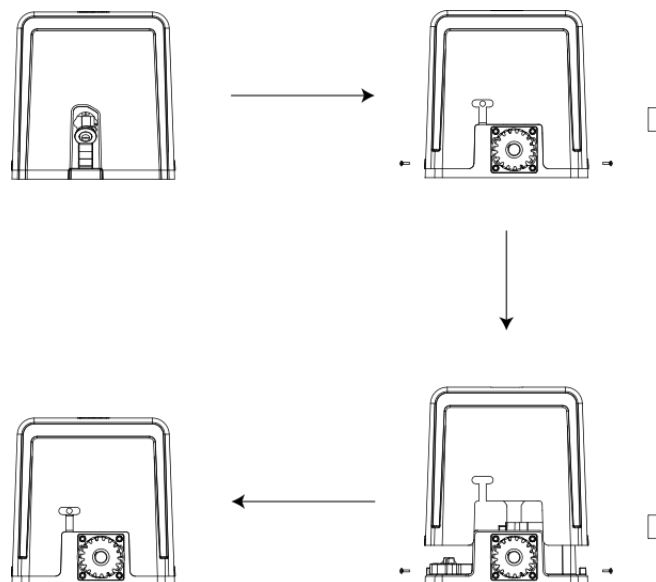


To switch the motor to manual mode, remove the slide cover, insert the key, and engage the manual release lever.

When in manual mode, the gear rotates freely, allowing the gate to be operated manually.

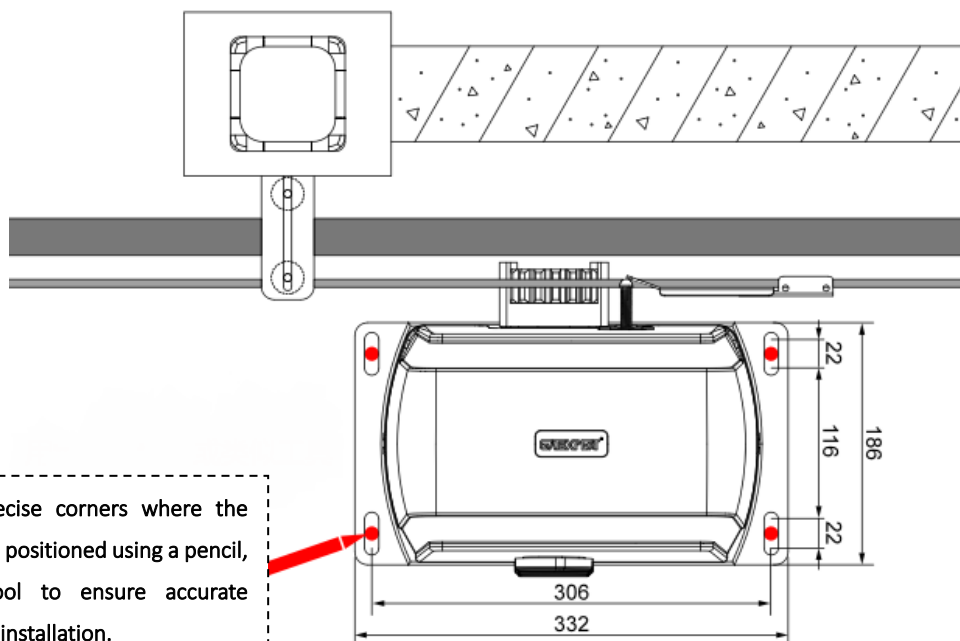
Removing / Installing the Motor Cover

- Remove the slide cover and use the key to open the manual release lever.
- Unscrew the two screws located on each side of the motor cover.
- Detach the rubber grommet located below the limit switch.



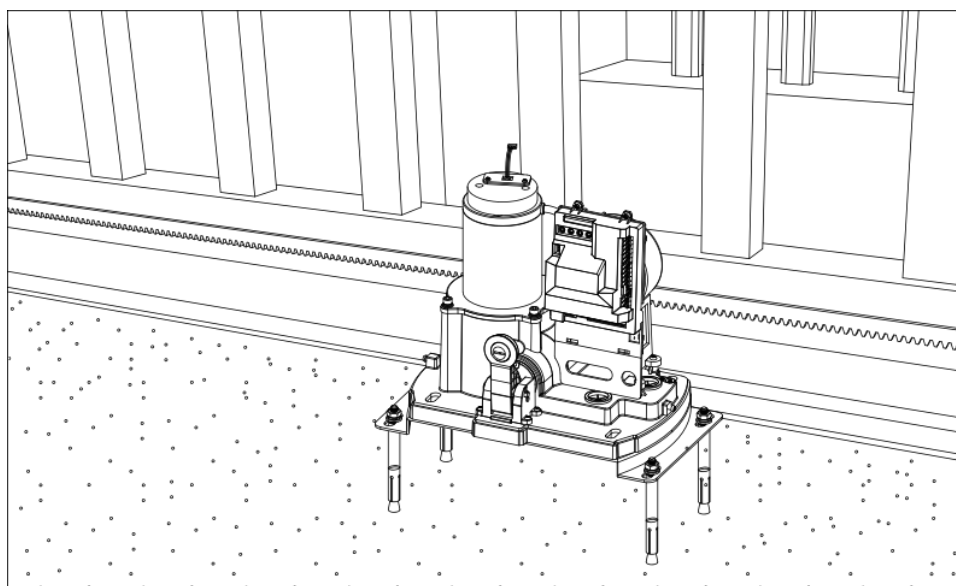
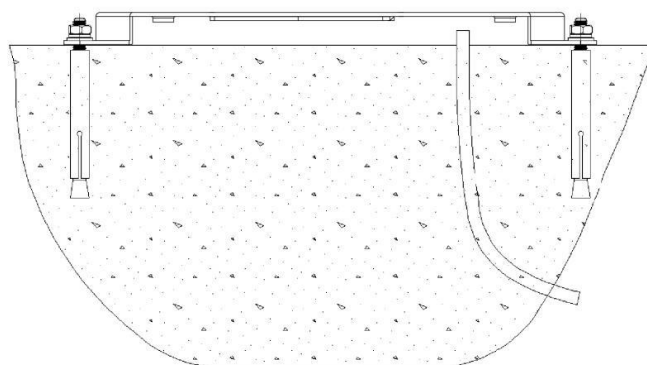
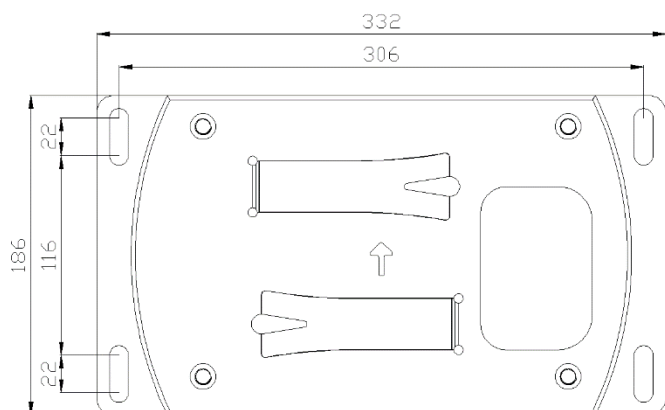
Concrete Pad Footing

- Prepare a concrete footing for the motor pad with a minimum area of 450mm (length) x 350mm (width) and a depth of at least 200mm, as per standard requirements.
- Ensure the surface of the footing is level and parallel to the driveway.



Mounting Plate and Motor Installation

- Position the mounting plate and loosely secure it by tightening the nuts, ensuring that spring and flat washers are included for stability.
- Align the motor according to the configuration, ensuring the output gears and racks are properly aligned and centered to the greatest extent possible. Secure the mounting plate by tightening the expansion bolts and nuts (ground screws are provided if necessary).
- Attach the motor to the mounting plate by pre-tightening the M8x40 mm bolts, using spring and flat washers to ensure a secure fit.

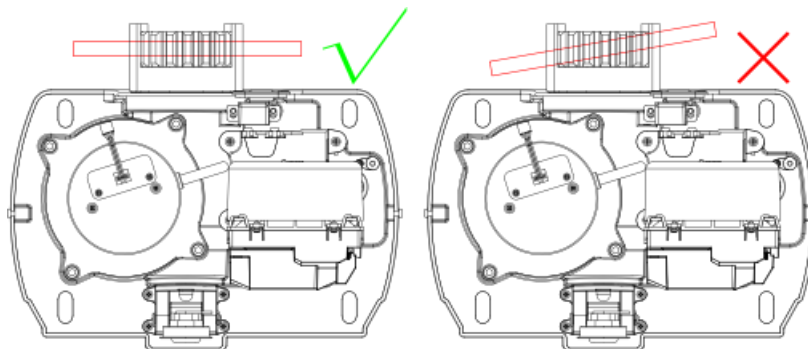


Motor Position Adjustment

- Position the motor and mounting plate onto the concrete base.
- Once placed, fine-tune the motor's position by moving it back and forth as needed, then secure it in place by tightening the fixing bolts once the correct alignment is achieved.

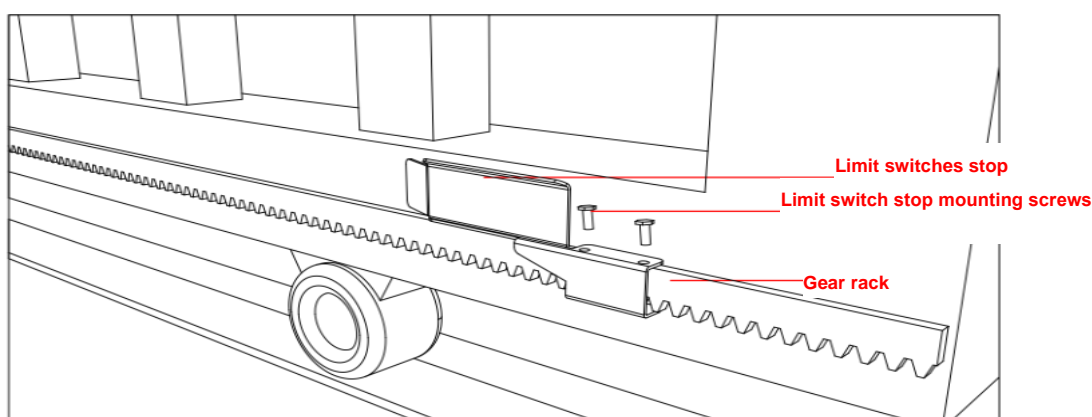
Gear Rack and Motor Alignment

- Ensure the output gear maintains a clearance of 1.5–2.5 mm along the entire length of the gear rack attached to the gate.
- Confirm that the output gear and gear rack are properly aligned. The gate opener's output gear must not bear any weight from the gate; the gate's weight should be fully supported by its castors or wheels.
- If the gear does not slide freely by hand, adjust the height of the gear rack as necessary until the gate can slide smoothly along its entire length.



Spring Limit Switch Set Up

- Your gate opener kit includes two limit switch stops that must be installed on the gear racks of your gate to ensure safe and reliable operation.
- These limit switch stops are specifically designed to set the gate's desired opening and closing positions by interacting with the spring or magnetic limit switch.
- Proper installation of the limit switch stops is critical. Failure to install them correctly or omitting them entirely can result in severe consequences, including:
 - Gate crashes.
 - Damage to the internal structure of the motor.
 - The gate potentially sliding off the guide rail, posing significant safety risks.
- Ensure the stops are securely fitted and positioned accurately to avoid operational hazards.



Setting the Limit Switch Stops

Closed Position

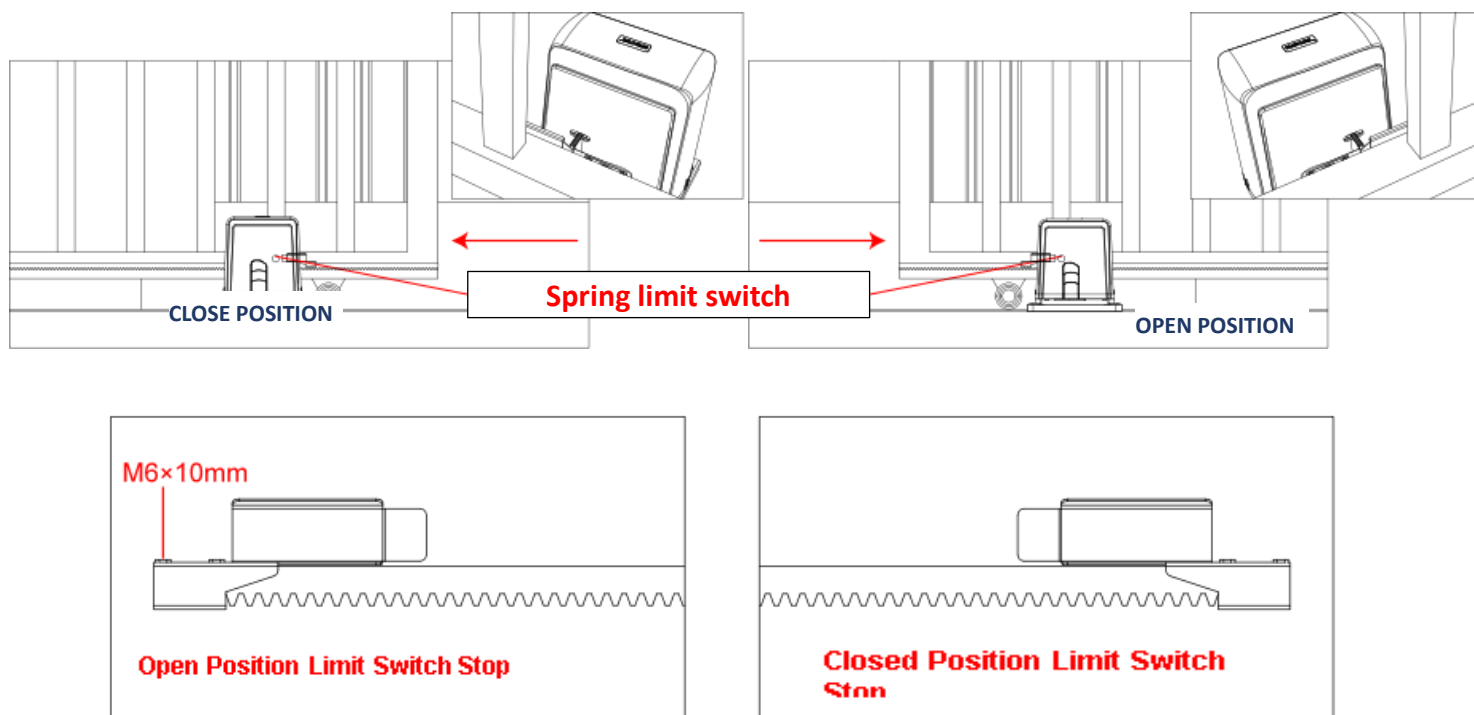
- Move the gate to a position 150–200 mm away from the gate's end catch in the closed position. This ensures the gate will not slam into the end stop/catch when operating under power.
- Attach the limit switch stop onto the top of the gear rack at the point where it meets the spring limit switch on the motor.
- Secure the limit switch stop by tightening its locking screws.

Open Position

- Move the gate to a position 150–200 mm away from the gate's stop in the open position. This prevents the gate from slamming into the end stop/catch when operating under power.
- Attach the limit switch stop onto the top of the gear rack at the point where it meets the spring limit switch on the motor.
- Secure the limit switch stop by tightening its locking screws.

Evaluating the Limit Switch Stops

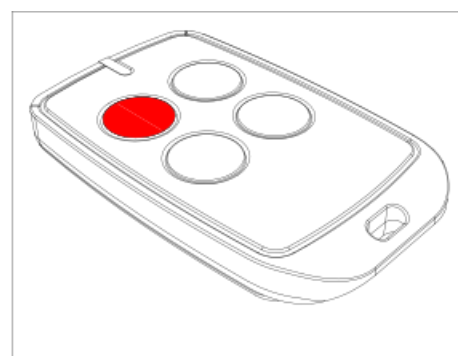
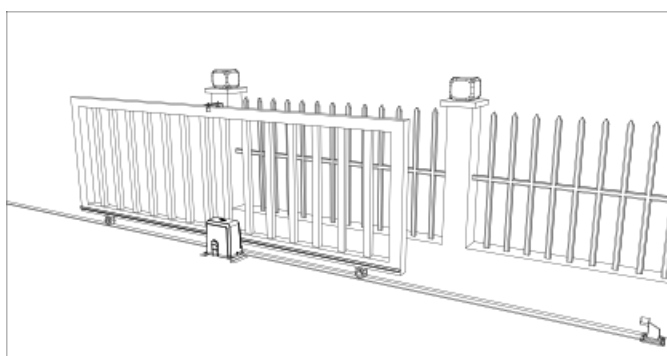
- Manually move the gate along its track until you hear a click, indicating that the limit switch stop has made contact with the spring limit switch on the motor.
- Ensure proper engagement of the limit switch stops with the spring limit switch to confirm accurate operation.



The installation of spring limit switch stops is shown in figure above.

Powering On

- Confirm that the outer cover has been securely fitted and fastened onto the motor base.
- Before powering on the gate opener, ensure that the gate can move freely by hand while in manual mode (key unlocked).
- Slide the gate to a position approximately midway between the posts (refer to the diagrams below for guidance).
- Lock the manual release spanner (key locked) to prepare the gate opener for automatic mode.
- Connect the power cord to an approved, RCD-protected, weatherproof electrical outlet.
- The remote controls included in the kit are factory-paired and ready for immediate use.



Testing Travel and Limit Stops

Evaluating the Closed Position

- Verify that the gate opener has been installed correctly and that the sliding gate is in the middle position.
- Press the remote control (factory paired to the motor) to initiate gate movement. The sliding gate should begin to close.
- Observe as the limit switch stop contacts the limit switch, causing the gate to stop.
- Measure the distance remaining between the sliding gate and the desired closed position.
- This measurement indicates the current closed position of the gate when the limit switch stop hits the limit switch.
- Adjust the limit switch stop based on this measurement to achieve the final closed position. The ideal final closed position for the gate frame should be 10–15 mm from the closed gate end catch.

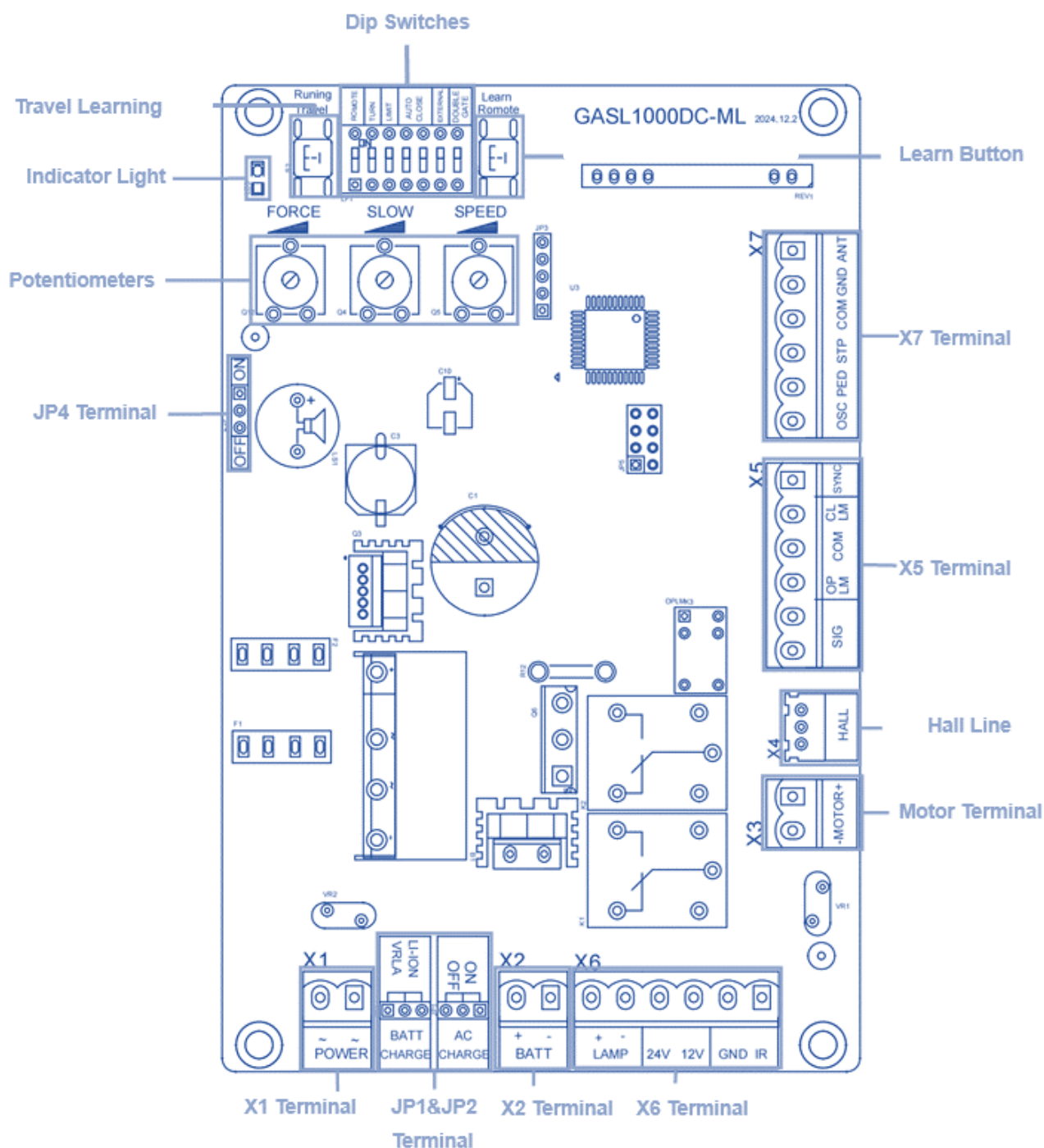
Evaluating the Open Position

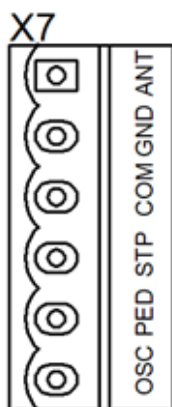
- Press the remote control to initiate gate movement. The sliding gate should begin to open.
- Observe as the limit switch stop contacts the limit switch, causing the gate to stop.
- Measure the distance remaining between the sliding gate and the desired open position.
- This measurement indicates the current open position of the gate when the limit switch stop hits the limit switch.
- Adjust the limit switch stop based on this measurement to achieve the final open position. The ideal final open position for the gate frame should be 10–15 mm from the gate stop.

CONTROL BOARD

Programming and Wiring

- All work involving 110V/220V AC connections must be conducted exclusively by a trained and qualified technician.
- The technician must ensure that the power supply is completely turned off before performing any modifications or adjustments to prevent electrical hazards and ensure safety.





X7 Terminal:

ANT: Extra Antenna

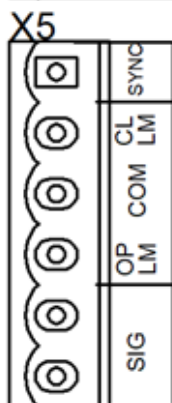
GND: Extra Antenna Shield

COM: Common Terminal for External Push Button

STP: External Stop Push Button Switch

PED: External Close Push Button Switch

OSC: External Open Push Button Switch



X5 Terminal:

SYNC: Two-door control signal line

SIG: Output close signal after gate closed in place.

OPLM: Open Limit Switch (Red)

COM: Limit Switch Common Terminal.

CLLM: Close Limit Switch (Green)

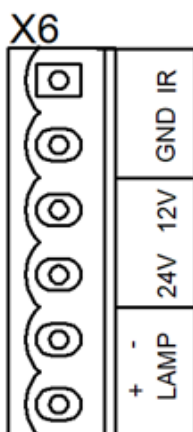


JP4 Straight Pin:

ON: Enable Buzzer OFF: Disable Buzzer

Note: Default setting is ON.

To enable buzzer, please go to setting "other menu" on the control board to enable it first, then put the jumper on "ON".



X6 Terminal:

IR: Photocell Input Common Terminal for Photocell (N.C.)

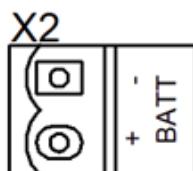
GND: Ground

12V: Additional Accessories +12VDC, after gate closed in place, the board will enter into low power consumption mode, this terminal will cut off the 12V power supply.

24V: Additional Accessories +24VDC

LAMP-: Alarm Lamp Negative

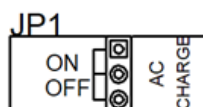
LAMP+: Alarm Lamp +24VDC



X2 Terminal & JP2 Straight Pin:

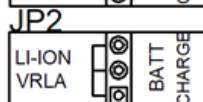
BATT: Battery port

Note: + and - must be wired correctly, wrong wiring will damage the control board.



JP1 Straight Pin:

Jump wire on NO: The battery can be recharged, but the power consumption will be increased

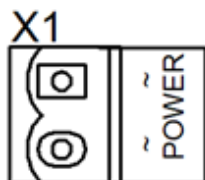


Jump wire on OFF: The battery is non-rechargeable and has the lowest power consumption, which is suitable for use in the pure battery state of solar energy

JP2 Terminal:

Jump wire on LI-ION:24V lithium battery

Jump wire on VRLA:24V lead battery



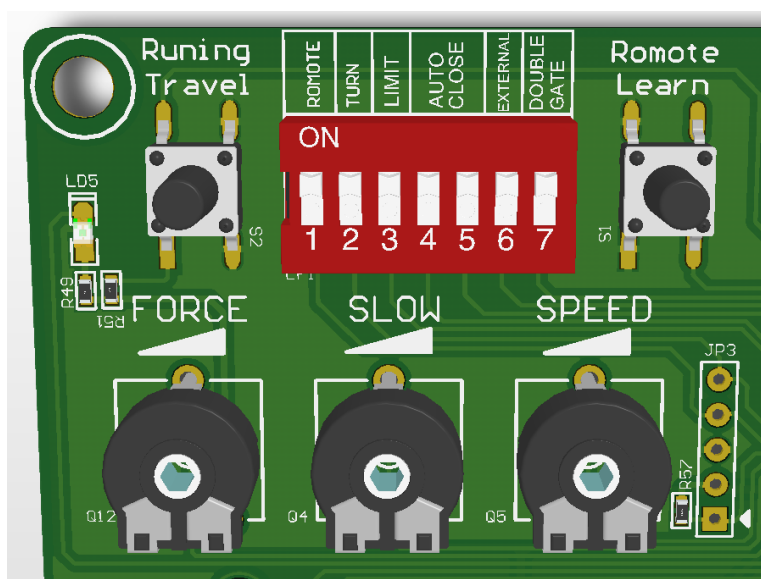
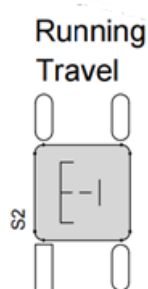
X1 Terminal:

Power: Power Supply (Transformer Output)

Transformer Specification: 240VAC/22VAC or 120VAC/22VAC

Rated Power: 120W

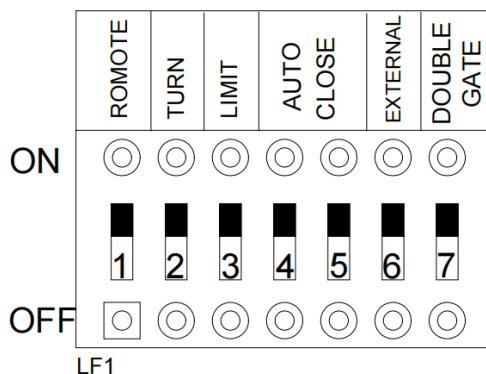
TRAVEL LEARNING



Travel Learning Process

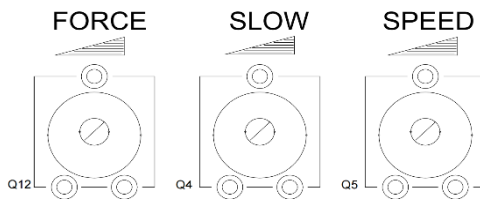
- Press and hold the "Running Travel" button for two seconds. If the gate is not fully closed, it will first close to the closed position and then open to the fully open position. During the learning process, the "LD5" indicator light will flash rapidly. Once the process is complete, the system will return to standby mode. You can exit the travel learning mode at any time by pressing the "Remote Learn" button for one second.

DIP SWITCH FUNCTION DESCRIPTION



Number	Function	Description
1	REMOTE FUNCTION	<ul style="list-style-type: none"> - OFF: Single-channel function (the fourth button is set to pedestrian mode by default). - ON: Four-channel function enabled. - Default Setting: OFF.
2	MOTOR DIRECTION	<ul style="list-style-type: none"> - OFF: Host installed on the right side. - ON: Host installed on the left side. - Default Setting: OFF.
3	LIMIT POLARITY	<ul style="list-style-type: none"> - OFF: Normally Closed (NC) limit. - ON: Normally Open (NO) limit. - Default Setting: OFF.
4	AUTO-CLOSE TIMER	<ul style="list-style-type: none"> - 4 ON, 5 OFF: Auto-close time is 15 seconds. - 4 OFF, 5 ON: Auto-close time is 30 seconds. - 4 ON, 5 ON: Auto-close time is 45 seconds. - 4 OFF, 5 OFF: Auto-close function disabled. - Default Setting: Auto-close function is disabled.
5		
6	EXTERNAL BUTTONS	<ul style="list-style-type: none"> - OFF Mode: <ul style="list-style-type: none"> • OSC: Single-cycle button • PED: Pedestrian button • STP: Stop button • COM: Common terminal - ON Mode: <ul style="list-style-type: none"> • OSC: Open button • PED: Close button • STP: Stop button • COM: Common terminal - Default Setting: OFF Mode
7	MASTER – SLAVE	<ul style="list-style-type: none"> - OFF: Control board operates in master mode. - ON: Control board operates in slave mode. <p>Master-Slave Mode Description:</p> <p>When the master control board is connected to the slave control board through the SYNC and COM ports on the X5 terminal (connection: master SYNC to slave SYNC, slave COM to master COM), the remote control and external button functions of the slave control board are disabled. The slave board operates exclusively based on control commands from the master board.</p>

FORCE – SLOW STOP - SPEED Function Overview



FORCE: Obstruction Force Adjustment

- **Maximum Setting:** Requires the highest force to detect an obstruction, making it less likely for the gate to stop during operation.
- **Minimum Setting:** Requires the lowest force to detect an obstruction, making it easier for the gate to stop when an obstacle is encountered.

When the obstruction reversal function is enabled, the motor will detect and respond to obstacles. If an obstruction is detected during operation, the gate will reverse for a short distance and then stop.

- **Adjustment:** Turn the FORCE knob clockwise to increase the force, or counterclockwise to decrease it.
- **Default Setting:** Maximum.

Tip: If the gate frequently reverses before reaching its intended position, set the FORCE knob to maximum. In this setting, the gate will only reverse when it encounters an obstruction and remains stationary for about three seconds.

SLOW: Slow Stop Speed and Distance Adjustment

To ensure smooth operation and reduce impact when the gate reaches its limit, use the SLOW knob to adjust the speed and distance for the slow stop function.

- **Maximum Setting:** The slow stop speed and distance are at their longest, providing a gradual stop.
- **Minimum Setting:** The slow stop speed and distance are at their shortest, resulting in a quicker stop.
- **Adjustment:** Turn the SLOW knob clockwise to increase the slow stop speed and distance, or counterclockwise to decrease them.
- **Default Setting:** Minimum.

SPEED: Fast Operation Speed Adjustment

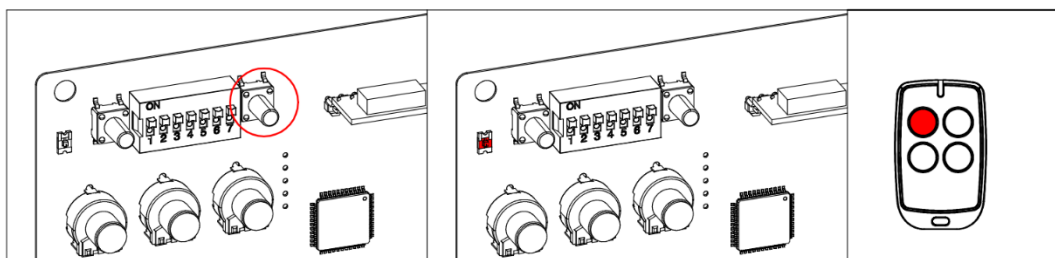
The SPEED knob controls the fast travel speed of the gate during normal operation.

- **Maximum Setting:** The gate operates at its fastest speed.
- **Minimum Setting:** The gate operates at its slowest speed.
- **Adjustment:** Turn the SPEED knob clockwise to increase the operation speed, or counterclockwise to decrease it.
- **Default Setting:** Minimum.

Remote Control Operation

Remote Control Learning

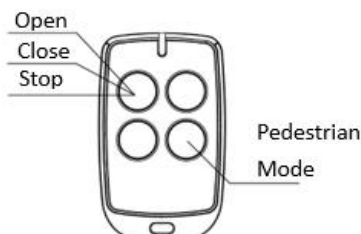
1. Remove the host casing and open the control board cover.
2. Press and hold the **Remote Learn** button on the control board for 2 seconds until the **LD5 indicator light** turns on, then release the button.
3. Press the button on the remote control that you wish to program.
4. If the learning is successful, the **LD5 indicator light** will turn off, indicating the process is complete.



Remote Control Code Clearing (Delete Memory):

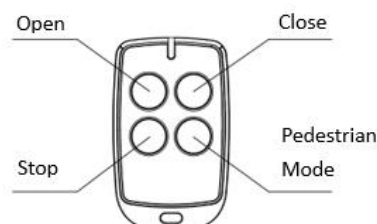
1. Press and hold the **Remote Learn** button for **6 seconds or more** until the LD5 indicator light turns on and then off.
2. Release the button to complete the process.

Single-Channel Mode: In single-channel mode, a single button on the remote-control cycles through the following sequence: Open → Stop → Close → Stop



Four-Channel Mode: In four-channel mode, the remote-control buttons perform the following functions:

- **Button 1:** Opens the gate
- **Button 2:** Closes the gate
- **Button 3:** Stops the gate
- **Button 4 (Pedestrian Mode):** Opens the gate approximately 1 meter, allowing pedestrian access when the gate is in the closed position.



Note: The system can learn and store up to 40 remote controls.

Connecting Retro-Reflective Photo Eye Sensor

Installation Requirements:

These steps must be completed by a licensed electrician or a certified slide gate technician.

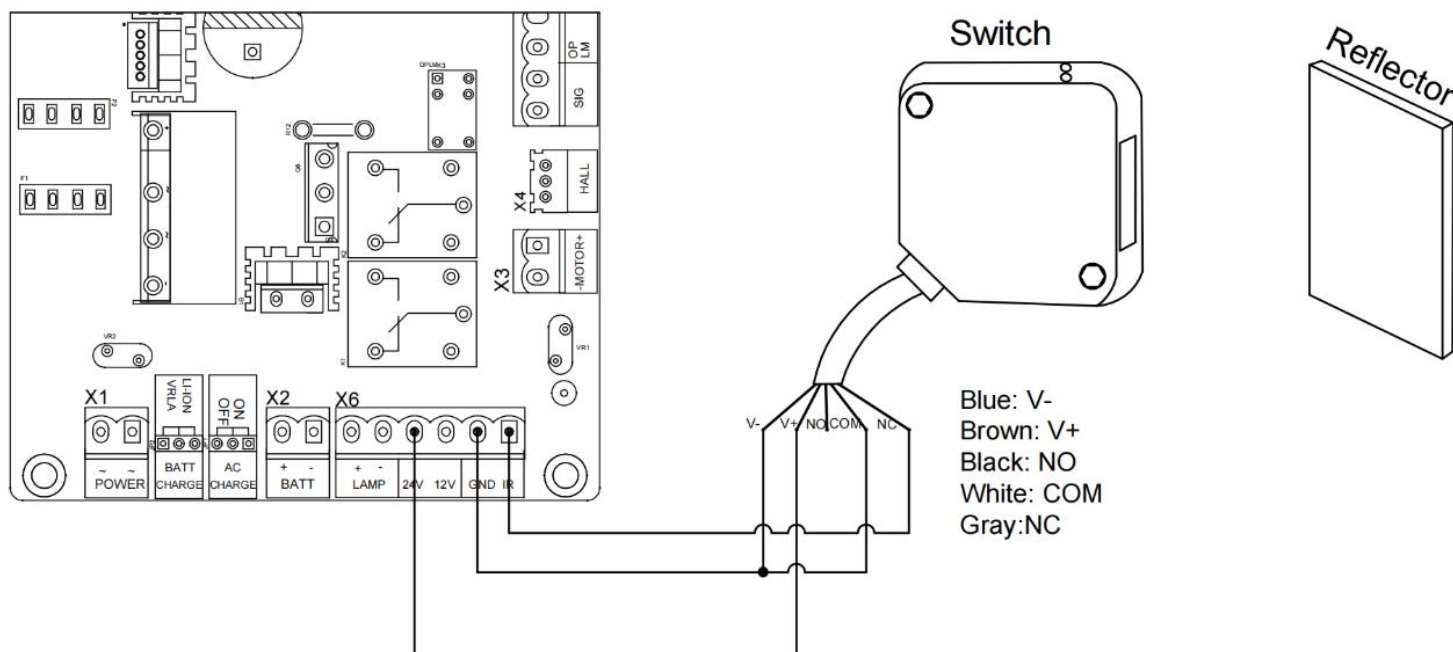
For the GATEPRO SL1000, the installation of the included Retro-Reflective Photo Eye Sensor is **highly recommended** as a crucial safety feature. This safety sensor is designed to immediately halt and reverse the gate's movement if its infrared beam is interrupted during closing, thereby enhancing protection for both users and property.

Installation Instructions:

- Refer to the wiring diagram below for instructions.
- Remove the wire jumper between the IR and GND terminals on connector X6.
- Ensure that the photocell receiver and the reflector are positioned at least 2 meters apart to maintain optimal detection and functionality.

Key Safety Benefits:

- **Immediate Response:** When the sensor detects an obstruction, it instantly stops the gate, minimizing the risk of accidents.
- **User Protection:** It prevents accidental collisions with people, vehicles, or objects, ensuring the safety of those in the vicinity.
- **Equipment Longevity:** By halting the gate before it encounters an obstruction, the sensor helps protect and prolong the lifespan of the gate system's mechanical parts.



Solar Power Package (Optional)

The GATEPRO GP1000 is designed with **solar power compatibility**, allowing users to operate the slide gate opener efficiently using renewable energy. This feature is ideal for locations without easy access to AC power or for users seeking an eco-friendly, energy-saving solution.

Solar System Requirements:

To ensure optimal performance of the GP1000 in solar mode, the following components are required:

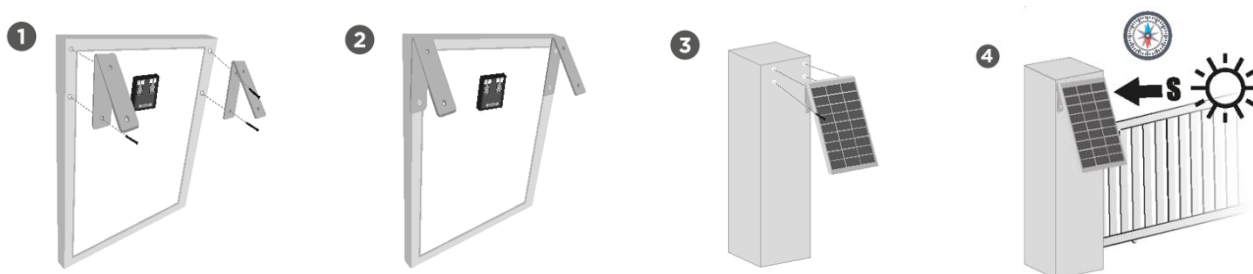
- **Solar Panel:** Minimum 24V, 20W (recommended 30W for enhanced efficiency)
- **Charge Controller:** 24V DC, PWM or MPPT type
- **Battery:** 24V DC, 12Ah minimum (recommended 24V, 20Ah for extended operation)
- **Wiring & Connectors:** Proper gauge wiring for efficient power transmission

Solar Power Operation & Performance

- **Average Daily Cycles:** 20-30 cycles per day (with a 24V, 20Ah battery and 40W panel)
- **Battery Backup:** Operates for **2-3 days** without sunlight under normal usage.
- **Low Power Mode:** The system automatically enters a **low-energy consumption state** when not in use to conserve battery life.

Solar Panel Placement

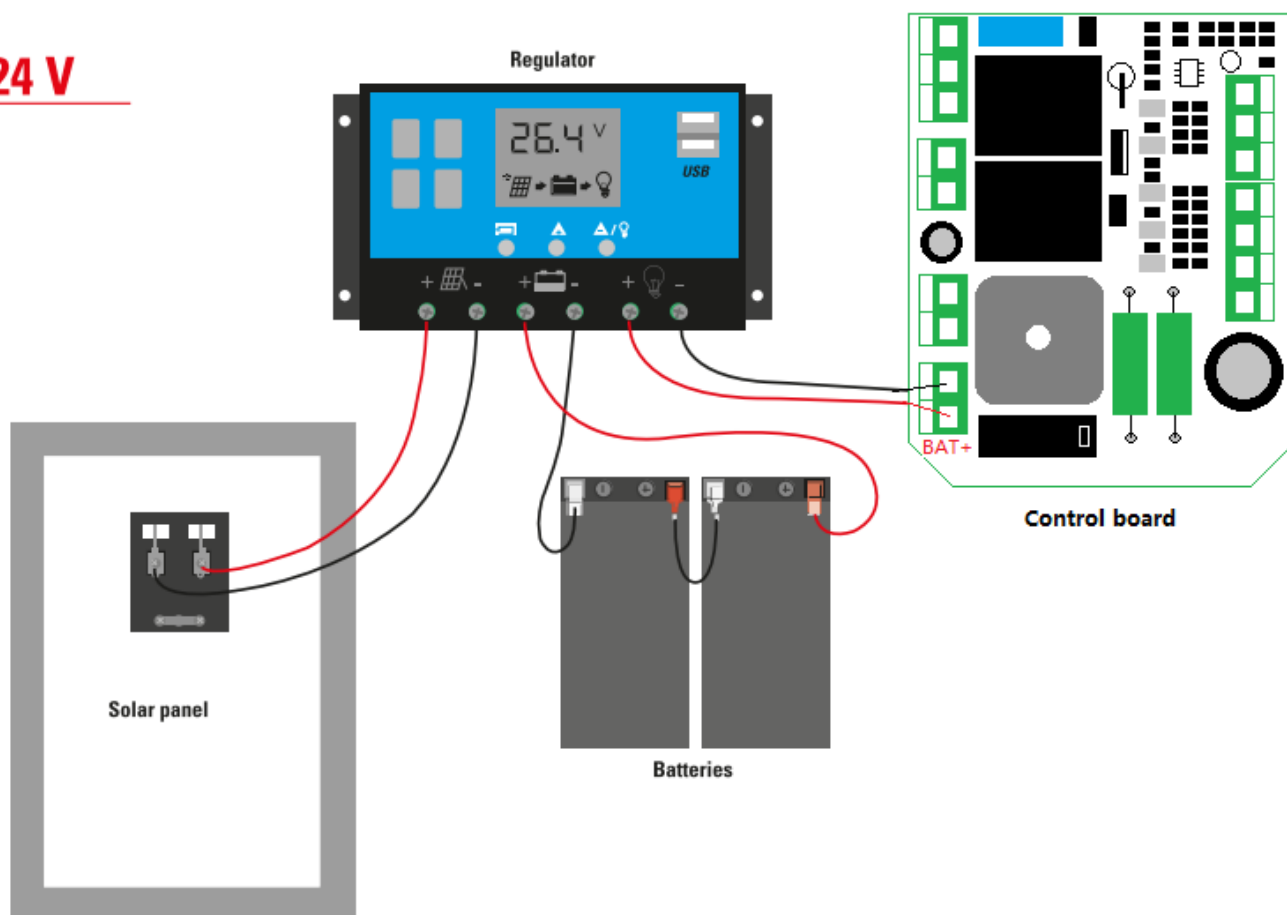
- Install the **solar panel** in a location with **maximum direct sunlight exposure**, free from obstructions such as trees or buildings.
- **Angle the panel** to match the latitude of your location for optimal sun exposure.



Connecting the Solar Panel

1. Connect the solar panel to the **charge controller** using appropriate wiring.
2. Ensure the **positive (+) and negative (-) terminals** are correctly connected.
3. Connect the **battery terminals** to the **charge controller**:
 - a. **Positive (+)** to Battery + terminal on the controller
 - b. **Negative (-)** to Battery - terminal on the controller
4. Connect the output of the **charge controller** to the **power input terminals (24V DC)** of the GATEPRO SL1000.
5. Remove any AC power connections when using the solar setup exclusively.
- 6.

24 V



Solar Panel Maintenance

- Clean the panel **monthly** to remove dust and debris.
- Inspect for any **physical damage** or loose connections.
- Check battery voltage regularly (**24V-26V** when fully charged).
- Replace the battery if performance declines after **2-3 years**.

Troubleshooting Guide

Issue	Possible Cause	Solution
Gate not operating on solar	Battery discharged	Recharge or replace battery
Low power warning	Insufficient sunlight	Increase panel size or adjust angle
Gate operates slowly	Weak battery	Charge or replace battery
System not charging	Loose or faulty wiring	Check and secure connections

Safety Precautions

- **Do not connect both AC power and solar power simultaneously.**
- Ensure all **connections are secure** to prevent electrical faults.
- Use **weatherproof enclosures** for the battery and charge controller if installed outdoors.

***For additional support, contact GATEPRO Technical Assistance or for further instructions, please refer to the SOLAR KIT instruction manual. ***

WIFI Controller Instructions (Optional)

Important Notice: To ensure optimal performance of the Wi-Fi Controller, a strong and stable Wi-Fi signal is required. For the best connectivity, ensure the controller is installed within a reliable Wi-Fi coverage area and minimize interference from walls or other obstacles.

Main parameters of the module

- 1). Power Supply: AC110V/220V
- 2). Output single channel signal
- 3). Can accept closed in place signal

Wiring Instruction

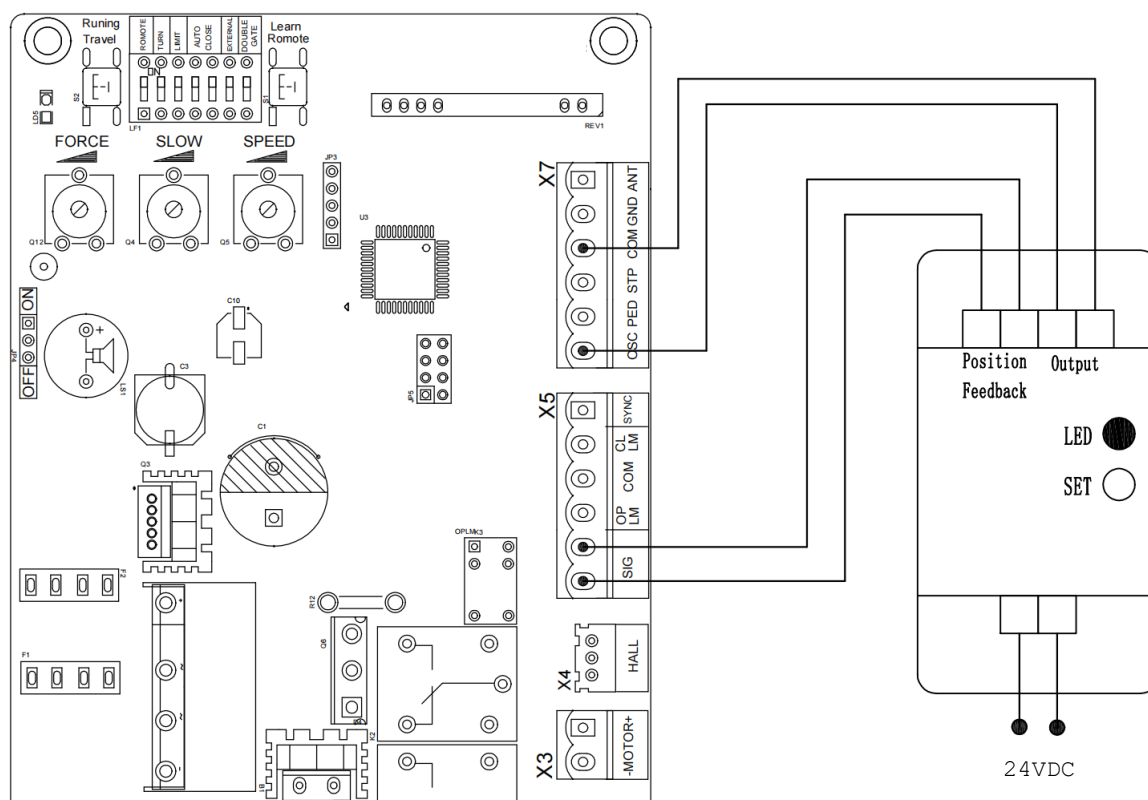


Figure 20

Output Terminal:

- Output signal – White Wire- Connect to “O/S/C” and “COM” terminals.
- Position Feedback – Green Wire – Connect to SIG.

Power: Connect to AC 110V/220V.

GP1000 SLIDING GATE OPENER USER MANUAL

Connect to Equipment

- Ensure your mobile phone is connected to the internet via **2.4G Wi-Fi**.
- If your router supports both **2.4G and 5G Wi-Fi**, select **2.4G Wi-Fi**.
- Download the **Tuya or Smart Life app** from the **App Store** or **Google Play Store**.
- During pairing, ensure your **mobile phone** and **Wi-Fi device** are connected to the **same Wi-Fi router**.
- Verify that your router's **MAC address is open**; if MAC filtering is enabled, disable it.

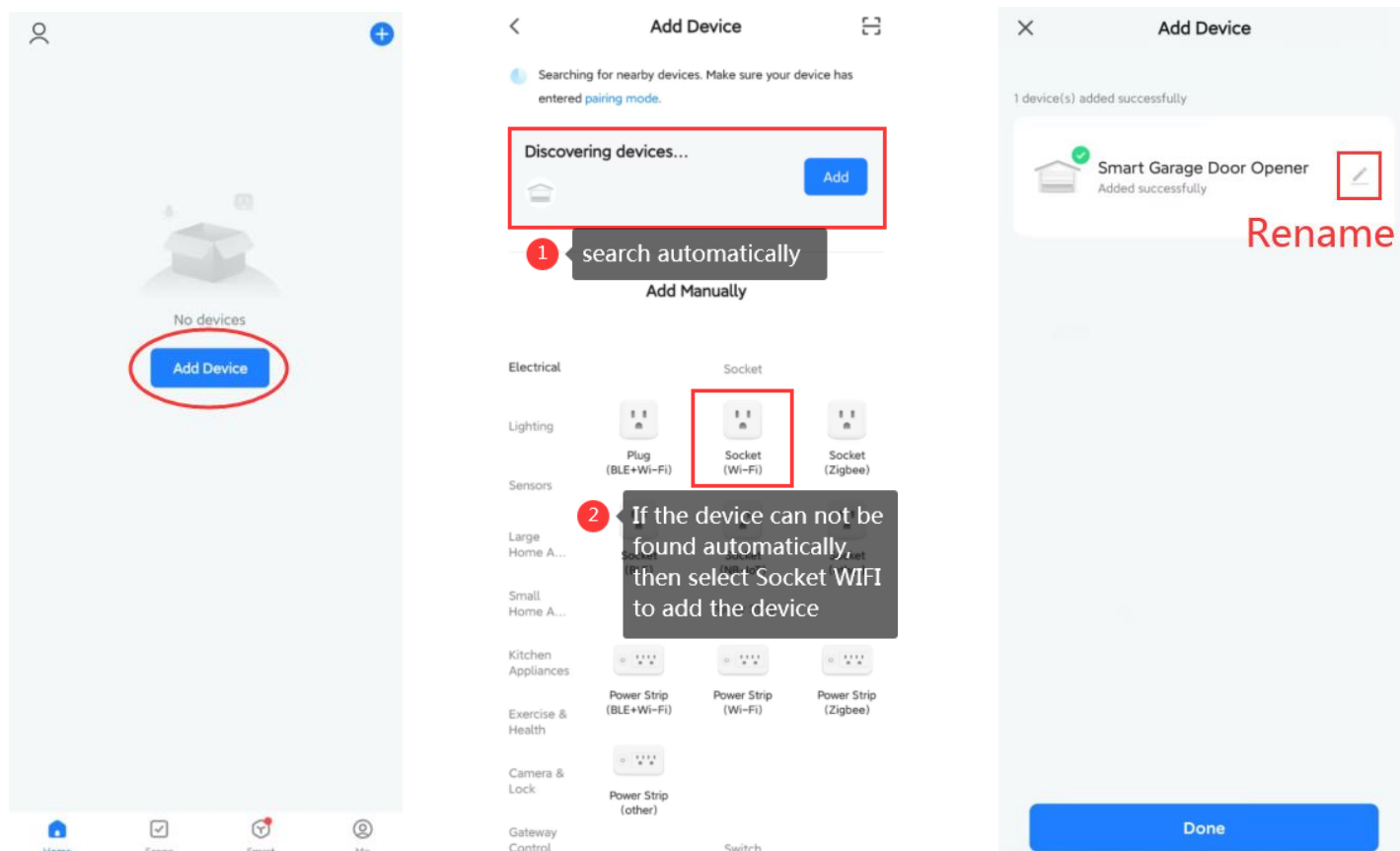
Tuya / Smart Life App Operation

Step 1: Open the App and tap "Add Device".

Step 2: Connect to 2.4GHz Wi-Fi and reset the Wi-Fi device:

- Auto Search: Long press the reset button on the device, and your mobile will search for it automatically (Mark ①).
- Manual Add: If not found automatically, select "Add Manually," choose "Socket Wi-Fi," and follow the instructions (Mark ②).

Step 3: Once added, the device will appear in the list. **Rename it as needed** for easy identification.



Step 4: Set Run Time Before Using Mobile Control

- Operate your gate for a full travel cycle (either open or close) and record the travel time.
- In the app settings, set the run time based on the gate's travel time.
- Example: If the gate takes 23 seconds to open, set the run time to 25 seconds (recommended to be slightly longer than actual travel time).
- Default setting is 20 seconds—adjust if needed.
- Important: If the run time in the app is shorter than the actual travel time, a reminder notification will appear when the app's timer ends before the gate completes its movement.

Step 5: Operate the Gate via Mobile App

- You can now control the gate from your mobile device.
- While the gate is opening, the app will display “Opening.”
- Once the gate reaches the open limit switch, the status will update to “Opened.”
- The same process applies when closing—the app will show “Closing,” then update to “Closed” upon reaching the closed limit switch.

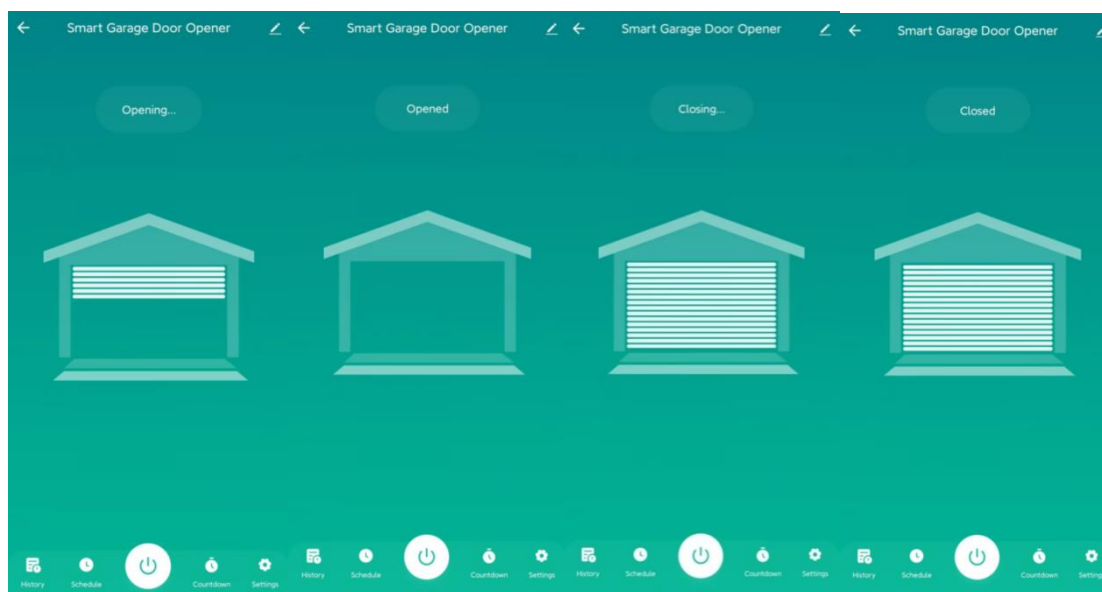


Figure 26

Additional Notes on Wi-Fi Control

- You can still open and close the gate via the app, but there will be no feedback once the gate has fully opened or closed.
- It is strongly recommended to use Wi-Fi control only when the gate is within your visible range to prevent potential damage to people or property.

MAINTENANCE

To ensure the reliable operation and longevity of your GATEPRO: GP1000 slide gate operator, regular maintenance is essential. Follow these guidelines to maintain optimal performance and safety:

1. **Monthly Inspection**

- Conduct a thorough inspection of the gate and operator every month to confirm they are functioning normally. Check for smooth gate movement, proper alignment, and any unusual sounds or resistance during operation.
- Examine all components, including wheels, guide rollers, tracks, and the motor assembly, to ensure they are clean, free from debris, and in good working condition.

2. **Safety Equipment**

- For enhanced safety, it is strongly recommended to equip each gate with an infrared protection system or other safety devices to prevent accidents or collisions.
- Perform regular testing of these safety systems to ensure they are functioning correctly. Replace or repair any faulty components promptly.

3. **Pre-Installation and Operation Instructions**

- Before installing or operating the GATEPRO GP1000, carefully read and follow all provided instructions. Proper installation and adherence to guidelines are crucial for safe and efficient operation.
- Ensure the gate is correctly installed, level, and moves freely before connecting and using the operator.

4. **Manufacturer's Rights**

- Please note that our company reserves the right to modify or update the instructions and specifications of the GATEPRO GP1000 slide gate operator without prior notice. Stay updated with the latest user manuals and guidelines available through our authorized channels.

By adhering to these maintenance practices, you can ensure the continued performance, safety, and reliability of your GATEPRO GP1000 slide gate operator. If you encounter any issues or require assistance, consult a qualified technician, or contact our support team for guidance.

TROUBLESHOOTING GUIDE

All troubleshooting work related to the motor must be performed exclusively by a trained and qualified technician who has the necessary expertise and certifications to manage such tasks safely and effectively. It is critical to ensure that the power supply to the motor is completely turned off, and the motor is fully unplugged from its power source, before beginning any diagnostic, maintenance, or repair activities. This precaution is essential to prevent electrical hazards, equipment damage, and potential safety risks to personnel and property.

Problem	Possible Cause	Possible Solutions
Gate does not open or close, and LED indicator is off	<ul style="list-style-type: none">• Power supply is disconnected.• Blown fuse.• Incorrect wiring on the control board power supply terminal.	<ul style="list-style-type: none">• Verify that the power source is properly connected, check circuit breakers, and reset if necessary.• Inspect the fuse (FU) on the control board. If blown, replace it with a fuse of the same rating and check for underlying electrical issues.• Review the wiring against the user manual, ensuring all terminals are properly connected and secured.
Gate opens but does not close	<ul style="list-style-type: none">• Incorrect wiring of the photocell.• Misaligned or incorrectly installed photocell.• Obstruction blocking the photocell sensor.• Obstacle detection sensitivity set too high.	<ul style="list-style-type: none">• If no photocell is installed, ensure that the infrared (IR) port and ground (GND) port have a jumper wire. If a photocell is installed, verify the wiring is correct and ensure it is configured as normally closed (N.C.).• Adjust the photocell position to ensure proper alignment between the transmitter and receiver.• Remove any objects obstructing the photocell sensor.• Decrease the obstacle sensitivity setting on the control board to prevent false detections.
Remote control does not function	<ul style="list-style-type: none">• Remote control battery is low or depleted.• Remote control is not paired with the gate operator.	<ul style="list-style-type: none">• Replace the remote-control battery with a new one of the same type.• Reprogram and pair the remote control to the gate operator following the manufacturer's instructions.
Gate does not stop at the opening or closing limit switch position	<ul style="list-style-type: none">• Faulty or damaged limit switch.• Reversed polarity of black and blue magnetic limit switches.• Malfunctioning hall sensor.	<ul style="list-style-type: none">• Inspect the limit switch for damage or debris; if defective, replace it.• Reverse the polarity of the black and blue magnets to correct their positioning.• If the hall sensor is faulty, replace the sensor component.
Leakage switch trips (power failure)	<ul style="list-style-type: none">• Short circuit in the power supply wiring.- Short circuit in the motor wiring.	<ul style="list-style-type: none">• Inspect all wiring connections for damage, exposed conductors, or loose terminals.• Correct any faulty wiring and ensure all connections are properly insulated.• If the issue persists, consult an electrician to diagnose potential electrical faults.

WARRANTY

We are committed to providing high-quality products and excellent customer service. GATEPRO operator's come with a comprehensive warranty to ensure client satisfaction. Below are the detailed terms and conditions of the warranty policy:

1. Warranty Coverage

- This warranty covers factory defects in materials and workmanship for the GATEPRO operators.
- GATEPRO will repair or replace defective parts due to manufacturing defects or component failures at no cost during the warranty period.
- Warranty claims must be supported by proof of purchase (original invoice and warranty documentation).
- All warranty services must be performed by authorized service centers or qualified technicians designated by GATEPRO.

2. Warranty Period

- This warranty is valid for one (1) year from the original date of purchase.
- The purchase date on the invoice serves as the official start date of the warranty period.

3. Conditions for Warranty Service

The warranty applies under the following conditions:

- The product must be installed, operated, and maintained in accordance with the instructions provided in the user manual.
- The product must not have been disassembled, modified, or tampered with by unauthorized personnel.
- Any defect must be verified by an authorized service technician as a result of manufacturing defects or faulty components.
- The product must have been used as intended, without signs of misuse, abuse, or neglect.

4. Exclusions from Warranty

This warranty does NOT cover:

- **Improper Use:** Damage caused by incorrect installation, operation, or handling that does not follow the user manual.
- **Man-Made Damage:** Mechanical or physical damage due to accidents, impacts, vandalism, or external forces.
- **Neglect or Lack of Maintenance:** Issues arising from failure to perform regular maintenance or inspections.
- **Environmental Factors:** Damage due to extreme weather, natural disasters, flooding, lightning, or exposure to corrosive substances.

- Unauthorized Repairs or Modifications: Any repairs, alterations, or disassembly performed by unauthorized personnel.
- Wear and Tear: Normal wear and tear of components such as rollers, tracks, or other consumable parts.
- Interference Issues: Problems caused by radio frequency interference, power surges, or electrical noise.
- Gate Hardware: This warranty does not cover gate-related issues, including but not limited to gate springs, rollers, alignment, hinges, or structural problems.

Service calls that determine the issue is related to one of the exclusions above may result in additional fees.

5. Warranty Claim Process

To file a warranty claim, please contact GATEPRO customer support or an authorized service center and provide the following:

- Proof of purchase (original invoice and warranty documentation).
- Detailed description of the issue or malfunction.
- Photos or videos (if applicable) to assist in diagnosing the problem.

Once the claim is approved:

- The product must be sent prepaid and insured to the designated service center.
- GATEPRO will repair or replace the defective product at no cost during the warranty period.
- Repairs may include new or refurbished parts, depending on availability.
- The repaired unit will be returned prepaid.

6. Limitation of Liability

- GATEPRO shall not be liable for any indirect, incidental, or consequential damages resulting from the use or inability to use the product.
- GATEPRO's liability is strictly limited to the repair or replacement of defective parts as specified in this warranty.
- In no event shall GATEPRO's liability exceed the original purchase price of the product.
- No individual or third party is authorized to assume liability or modify this warranty on behalf of GATEPRO.

7. Additional Information

- The manufacturer reserves the right to repair or replace defective parts at its sole discretion.
- This warranty does not cover labor costs for removal, reinstallation, or on-site service, unless explicitly stated.
- This warranty is non-transferable and applies only to the original purchaser of the product.
- The manufacturer reserves the right to update or revise these warranty terms without prior notice.

For support or further details, please contact GATEPRO customer service or visit our website. Retain your original purchase documents, as they are required to process any warranty claims.