Single Swing Gate Opener - DSN-128

User Manual

[Revision 1.0 June 2019]

READ THIS MANUAL CAREFULLY BEFORE USE – FAILURE TO DO SO MAY RESULT IN INJURY, PROPERTY DAMAGE AND MAY VOID WARRANTY. • KEEP THIS MANUAL FOR FUTURE REFERENCE. • Products covered by this manual may vary in appearance, assembly, inclusions, specifications, description and packaging.

E&OE

Safety

Safety messages are designed to alert you to possible dangers or hazards that could cause death, injury or equipment or property damage if not understood or followed. Safety messages have the following symbols:

You WILL be KILLED or SERIOUSLY INJURED if you do not follow instructions.

You CAN be KILLED or SERIOUSLY INJURED if you do not follow instructions.

You CAN be INJURED if you do not follow instructions or equipment damage may occur.

It is vital that you read and understand this user manual before using the product, including safety warnings, and any assembly and operating instructions. Keep the manual for future reference.

Safety precautions and recommendations detailed here must be fully understood and followed to reduce the risk of injury, fire, explosion, electrical hazard, and/or property damage.

Safety information presented here is generic in nature – some advice may not be applicable to every product. The term "equipment" refers to the product, be it electrical mains powered, battery powered or combustion engine powered.

- **Before Use** - If you are not familiar with the safe operation/handling of the equipment or are in any way unsure of any aspect of suitability or correct use for your application, you should complete training conducted by a person or organization qualified in safe use and operation of this equipment, including fuel/electrical handling and safety.
- Do NOT operate the equipment in flammable or explosive environments, such as in the presence of flammable liquids, gases or dust. The equipment may create sparks or heat that may ignite flammable substances.
- Keep clear of moving parts.
- Equipment may be a potential source of electric shock or injury if misused.
- Do NOT operate the equipment if it is damaged, malfunctioning or is in an excessively worn state.
- Do NOT allow others to use the equipment unless they have read this manual and are adequately trained.
- Keep packaging away from children - risk of suffocation! Operators must use the equipment correctly. When using the equipment, consider conditions and pay due care to persons and property.

General Work Area Safety

- Work areas should be clean and well it.
- Do not operate the equipment if bystanders, animals etc are within operating range of the equipment or the general work area.
- If devices are provided for connecting dust extraction / collection facilities, ensure these are connected and used properly. Dust collection can reduce dust-related hazards.

General Personal Safety

- Wear appropriate protective equipment when operating, servicing, or when in the operating area of the equipment to help protect from eye and ear injury, poisoning, burns, cutting and crush injuries. Protective equipment such as safety goggles, respirators, non-slip safety footwear, hard hat, hearing protection etc should be used for appropriate equipment / conditions. Other people nearby should also wear appropriate personal protective equipment. Do not wear loose clothing or jewellery, which can be caught in moving parts. Keep hair and clothing away from the equipment.
- Stay alert and use common sense when operating the equipment. Do not over-reach. Always maintain secure footing and balance.
- Do not use the equipment if tired or under the influence of drugs, alcohol or medication.
- This equipment is not intended for use by persons with reduced physical, sensory or mental capabilities.

General Fuel Safety

- Petrol/fuel/gasoline is extremely flammable – keep clear of naked flames or other ignition sources.
- Do not spill fuel. If you spill fuel, wipe it off the equipment immediately – if fuel gets on your clothing, change clothing.
- Do NOT smoke near fuel or when refuelling.
- Always shut off the engine before refuelling.
- Do NOT refuel a hot engine.
- Open the fuel cap carefully to allow any pressure build-up in the tank to release slowly.
- Always refuel in well ventilated areas.
- Always check for fuel leakage. If fuel leakage is found, do not start or run the engine until all leaks are fixed.

General Carbon-Monoxide Safety

- Using a combustion engine indoors **CAN KILL IN MINUTES**. Engine exhaust contains carbon-monoxide – a poison you cannot smell or see.
- Use combustion engines OUTSIDE only, and far away from windows, doors and vents.

General Equipment Use and Care

- The equipment is designed for domestic use only.
- Handle the equipment safely and carefully.
- Before use, inspect the equipment for misalignment or binding of moving parts, loose components, damage or any other condition that may affect its operation. If damaged, have the equipment repaired by an authorised service centre or technician before use.
- Prevent unintentional starting of the equipment - ensure equipment and power switches are in the OFF position before connecting or moving equipment. Do not carry equipment with hands or fingers touching any controls. Remove any tools or other items that are not a part of the equipment from it before starting or switching on.
- Do not force the equipment. Use the correct equipment for your application. Equipment will perform better and be safer when used within its design and usage parameters.
- Use the equipment and accessories etc. in accordance with these instructions, considering working conditions and the work to be performed. Using the equipment for operations different from those intended could result in hazardous situations.
- Always keep equipment components (engines, hoses, handles, controls, frames, housings, guards etc) and accessories (cutting tools, nozzles, bits etc) properly maintained. Keep the equipment clean and, where applicable, properly lubricated.
- Store the equipment out of reach of children or untrained persons. To avoid burns or fire hazards, let the equipment cool completely before transporting or storing. Never place or store the equipment near flammable materials, combustible gases or liquids etc.
- The equipment is not weather-proof, and should not be stored in direct sunlight, at high ambient temperatures or locations that are damp or humid.
- Do not clean equipment with solvents, flammable liquids or harsh abrasives.
- For specific equipment safety use and care, see Equipment Safety.

General Electrical Safety

- Inspect electrical equipment, extension cords, power bars, and electrical fittings for damage or wear before each use. Repair or replace damaged equipment immediately.
- Ensure all power sources conform to equipment voltage requirements and are disconnected before connecting or disconnecting equipment.
- When wiring electrically powered equipment, follow all electrical and safety codes.
- Wherever possible, use a residual current device (RCD).
- High voltage / high current power lines may be present. Use extreme caution to avoid contact or interference with power lines. Electrical shock can be fatal.

General Electrical Safety

- Electrically grounded equipment must have an approved cord and plug and be connected to a grounded electrical outlet.
- Do NOT bypass the ON/OFF switch and operate equipment by connecting and disconnecting the electrical cord.
- Do NOT use equipment that has exposed wiring, damaged switches, covers or guards.
- Do NOT use electrical equipment in wet conditions or in damp locations.
- Do NOT use electrical cords to lift, move or carry equipment.
- Do NOT coil or knot electrical cords, and ensure electrical cords are not trip hazards.

General Service Information

- The equipment must be serviced or repaired at authorised service centres by qualified personnel only.
- Replacement parts must be original equipment manufacturer (OEM) to ensure equipment safety is maintained.
- Do NOT attempt any maintenance or repair work not described in this manual.
- After use, the equipment and components may still be hot – allow the equipment to cool and disconnect spark plugs and/or electrical power sources and/or batteries from it before adjusting, changing accessories or performing repair or maintenance.
- Do NOT adjust while the equipment is running.
- Perform service related activities in suitable conditions, such as a workshop.
- Replace worn, damaged or missing warning/safety labels immediately.

Swing Gate Opener Safety

- This product must be installed by well-trained skilled personnel in compliance with the safety regulations the field of residential and commercial swing gate opener devices. Unqualified personnel may damage the instruments and cause harm to the public.
- Electric Power must be disconnected prior to installation or performing any maintenance.
- Please read the manual carefully before installation. Incorrect installation or misuse of product may cause seriously damage to users and property.
- If the electric cable is damaged or broken, it must be replaced by a whole and properly insulated wires, to avoid electric shock or any hazardous environments.
- Keep the wireless transmitters out of children reach.
- Do not allow children or other individuals to stand by the path of the motor arms or the path of the gates while in operation.
- Do not use the remote wireless transmitters when the gates are out of sight.
- Do not install the products in corrosive, inflammable, and/or explosive environments.
- Avoid installing the motor arm where the override manual release key is exposed to the public.

Safety Symbols

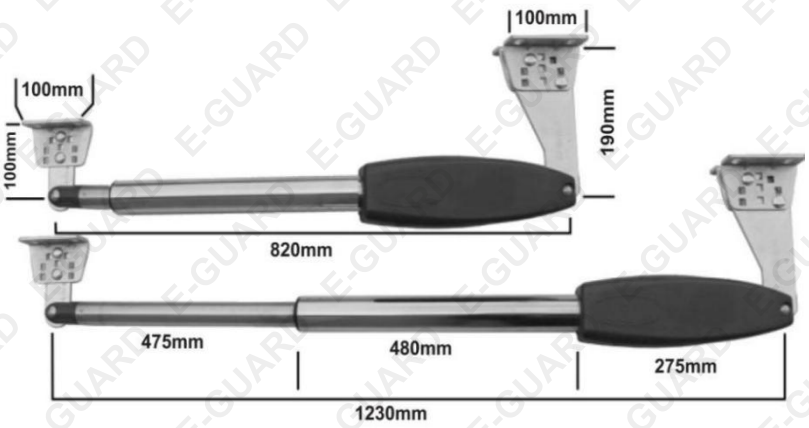
The product may have safety warning labels attached to it, explained below. Understand the symbols on your product and their meanings. If any stickers become unreadable, unattached etc., replace them.

 **Flammable Material Hazard** Flammable liquids, gases or substances etc may present. Avoid ignition sources and open flames. Danger of fire.	 **Read User Manual** Read and fully understand product safety warnings, operation, procedures etc before using the product.	 **Use Hand Protection** Wear appropriate hand protection and take due care as the product or use of the product may present hand hazards.	 **Carbon-Monoxide Hazard** Do not use the product in confined areas or without adequate ventilation. Carbon-monoxide poisoning can be fatal.
 **Electrocution / Electrical Shock Hazard** High voltage or high current electricity may be present or required by the product. Take due care when handling electrical products, cables, plugs and leads. Electrical shock can be fatal.	 **Toxic Fumes / Dust Hazard** Using the product or by-products from use may produce fumes, smoke or particles that could be harmful if inhaled. Wear appropriate breathing protection and have adequate ventilation.	 **Explosive Material Hazard** Combustible liquids, gases or substances etc may be present. Avoid ignition sources and open flames. Danger of explosion.	 **Cutting / Amputation Hazard** The product may have blades, edges or mechanical devices that can cause severe cut injury to fingers, limbs etc. Take due care when handling and using the product.
 **Crush Hazard** The product may have blades, edges or mechanical devices that can cause severe crush injury to fingers, limbs etc. Take due care when handling and using the product.	 **Single Operator Only** The product must be operated by a single person only. More than one person operating the product may introduce additional hazards.	 **Use Face Protection** Wear appropriate full-face protection and take due care as the product or use of the product may present face and eye hazards.	 **Use Foot Protection** Wear appropriate foot protection and take due care as the product or use of the product may present foot hazards.
 **Use Eye / Ear / Head Protection** Wear appropriate eye and / or ear and / or head protection and take due care as the product or use of the product may present eye, hearing and head hazards.	 **Running Hazard** Do not run on or near the product as doing so may present a fall hazard.	 **Diving Hazard** Do not dive into the product as doing so may present a neck / head injury hazard.	 **Adult Supervision Required** Always supervise children and other users of a product to prevent drowning or injury.
 **Skin Penetration / Puncture Hazard** The product may produce pressure, emit liquids or objects that can cause severe injury to fingers, limbs, blood etc. Take due care when handling and using the product.	 **Hot Surface Hazard** Be aware that the product may produce high temperatures and hot surfaces that can cause burn injuries.	 **Flying Debris Hazard** Be aware that the product or use of the product may present hazards produced by flying debris. Wear appropriate clothing and protective devices.	 **Moving Parts Hazard** Be aware that the product contains or uses mechanical devices that move or rotate. Always wait for moving parts to stop fully before handling the product, adjusting, maintenance etc.

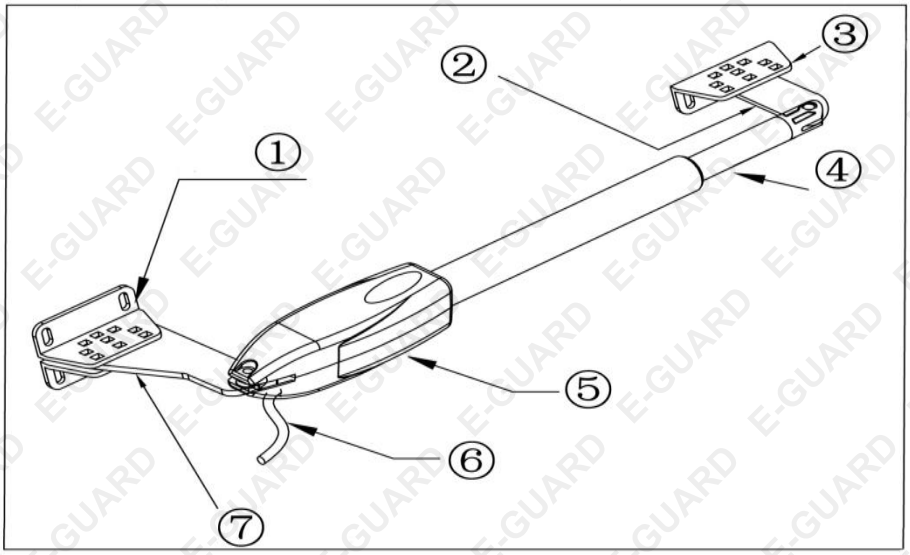
 **Carbon-Monoxide Hazard** Do not use the product in confined areas or without adequate ventilation. Carbon-monoxide poisoning can be fatal.	 **Pull Hazard** Be aware that the product contains or uses mechanical devices that can pull in objects and can cause severe injury to fingers, limbs etc. Take due care when handling and using the product.	 **Slope / Fall Injury Hazard** Be aware that using the product on sloping surfaces or in slippery conditions may present additional dangers from falls and contact with blades, moving parts, hot surfaces etc.	 **"Slam Dunk" Warning** Do NOT attempt "slam dunk" manoeuvres as this may result in severe injury due to falling, product breakage or collapse etc.
 **Electrocution / Electrical Shock Hazard - Outdoor** High voltage or high current electricity may be present or required by the product. Do NOT use in rain, damp or wet conditions. Electrical shock can be fatal.	 **Electrocution / Electrical Shock Hazard - Disconnect** High voltage or high current electricity may be present or required by the product. Always disconnect the product from the electrical supply before handling the product, adjusting, maintenance etc.	 **Power Line Electrocution Hazard** High voltage / high current power lines may be present. Use extreme caution to avoid contact or interference with power lines. Electrical shock can be fatal.	 **"Kick-Back" Hazard** High level of "kick-back" hazard that can cause the machine to suddenly rotate towards operator. Kick-back injury can be fatal.
 **Winch Operator Position Hazard** Do NOT stand between winch and load. Do NOT use winch to move people.	 **Winch Lift Hazard** Do NOT LIFT load vertically. Use machine to PULL only.	 **Cable Hazard** Ensure that load bearing cable is not kinked or knotted.	 **Winch Cable Hazard** Ensure that there is a minimum number of cable coils on winching mechanism.
 **Winch Hook Hazard** Carry hook to load – do NOT throw or run.	 **Flash / Blinding Hazard** Wear appropriate eye protection for welding. Direct exposure to weld arcs may cause permanent eye injury.	 **Laser Hazard** Laser may be in use – do NOT look directly at laser or allow others to.	

Table of Contents

Parts Identification



Nomenclature of Parts



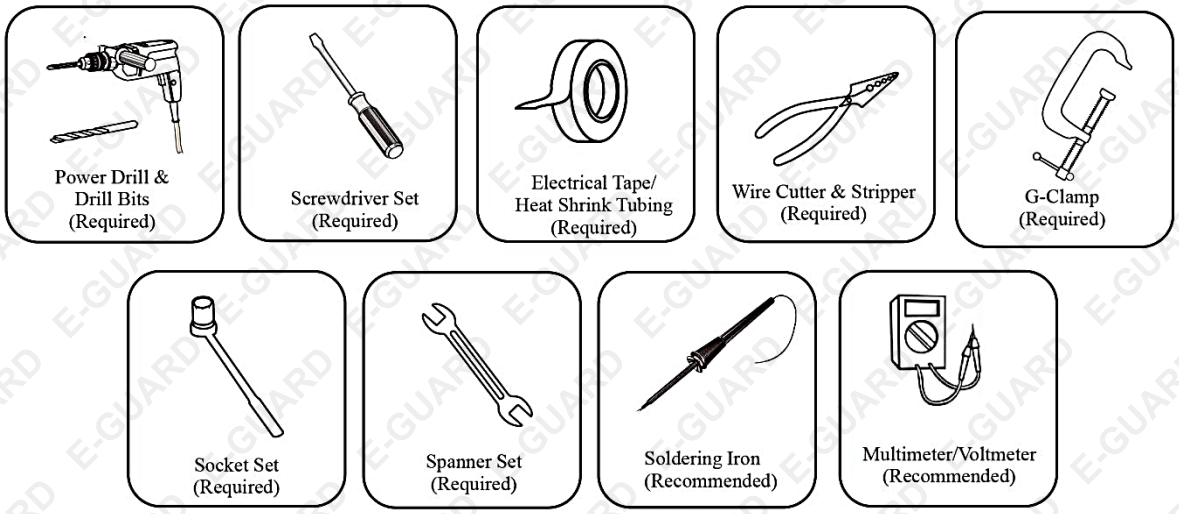
1. Post Rear Fixed Bracket
2. Extended Bracket Attached to Gate Structure
3. Gate Front Fixed Bracket
4. 300-400mm Extended Arm
5. Motor Gear Box
6. Power Cable
7. Rear Bracket Fixed Plate Main Motor Arm

Features and Options

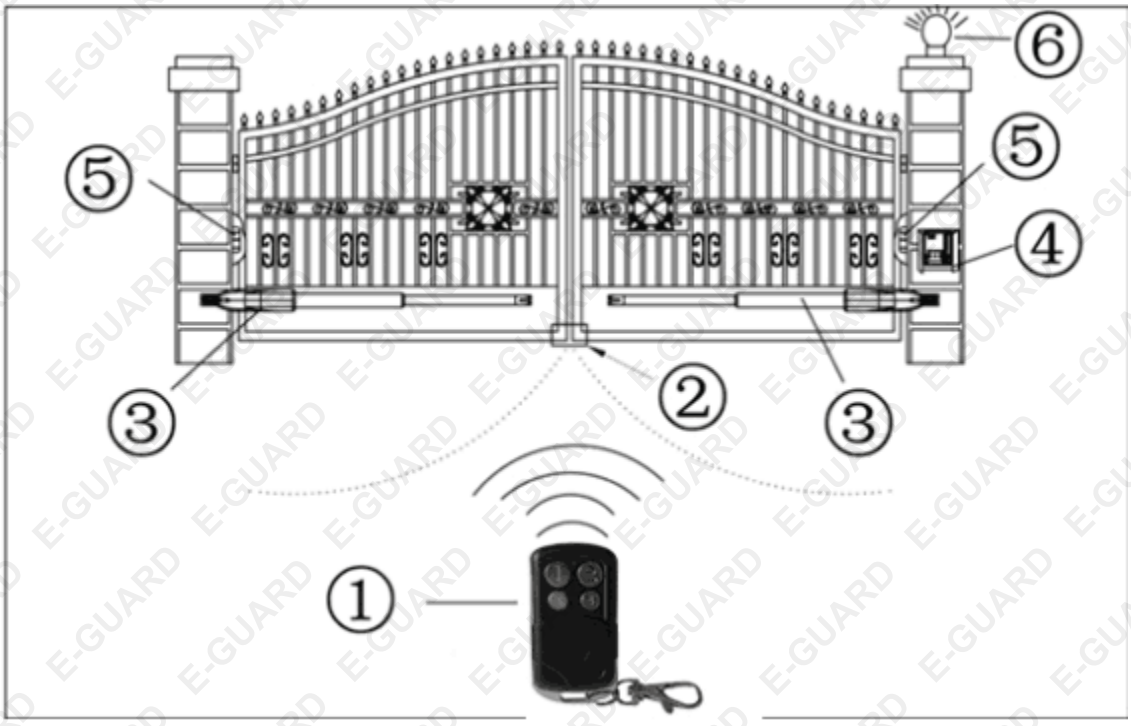
- **In case of power failure**: Use the manual override key to release the clutch to open or close the gate manually.
- **When Gate is Obstructed**: Gate stops.
- **Optional**: The Gate Opener Controller can be connected to a solar system, a flashlight warning, a photocell, back up battery, keypad and other access control devices.
- **Speed Control**: Gate opening and closing speed can be adjusted.
- **Gentle Start**: The Gate Opener is equipped with a soft start function.
- **Auto Close**: The Gate Opener System is equipped with Auto close function with adjustable closing time delay.
- **Single or Dual Gate**: Either Single or Dual Swing Gate can be opened.
- **Multiple Remote Transmitters**: The Controller can easily accommodate several unique extra remotes to control the swing gate opener.
- **Battery Back Up**: DC 24V back up battery can be incorporated.
- **Optional Devices**: DC 24V Gate Lock, photocell, keypad, photocell, push button, large size or small size control box.
- The Gate Opener can be configured to allow smooth noiseless operation.
- The Gate Opener can be configured to enable open condition as default, or close condition as default depending on the placement of the provided hardware brackets.

Assembly and Set-Up

Tools Required



Preparing the Installation Site



1. Wireless transmitter
2. Rubber stopper
3. Swing gate opener motor
4. Control box
5. Photocell electric sensor
6. Flashlight alarm (optional)

Rear Bracket Installation Alternatives to Gate Posts

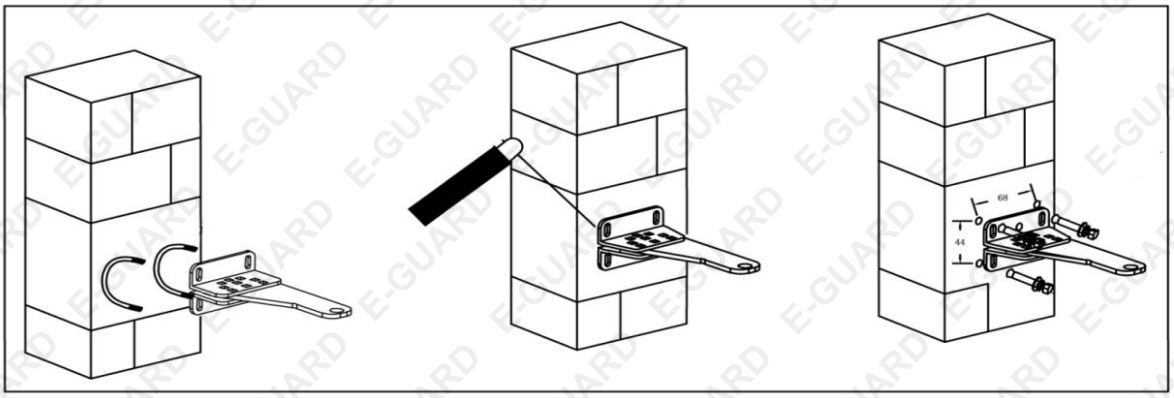


Figure 5

Construction Drill and Bolts, Figure 5, right:

1. Drill 4 holes, 8mm in diameter.
2. Insert the 4 provided concrete bolts and tighten properly (Do not over tighten as you may strip the bolt out of the concrete or the brick).
3. Place the motor connecting bracket and tighten with the provided screws.

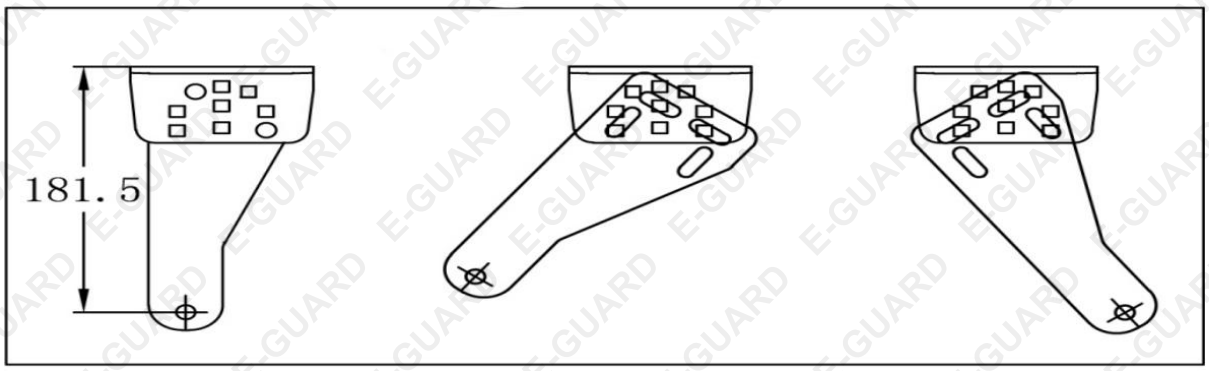
Construction Drill and Weld, Figure 5, middle:

1. Drill 4 holes, 8mm in diameter.
2. Locate the 4 slotted holes post bracket above the drilled holes.
3. Weld the motor bracket to the post bracket.

Precast U Bolts, Figure 5, left:

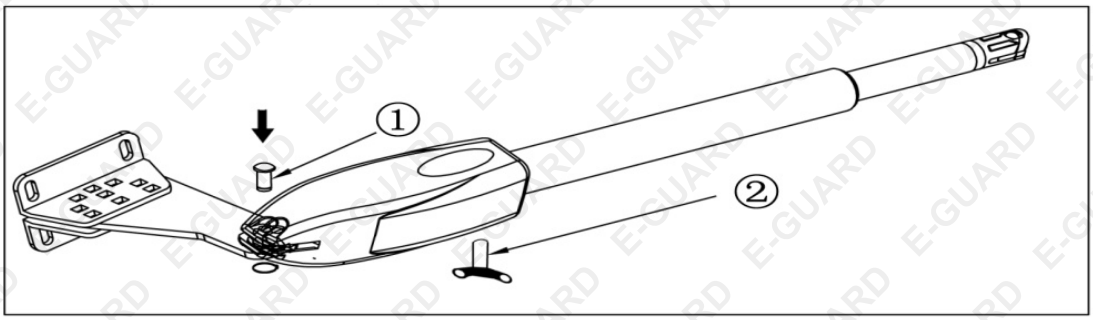
4. Locate the 4 slotted holes of the post bracket above the end of u bolts.
5. Apply the appropriate screws.
6. Place the motor connecting bracket and tighten with the provided screws.

Adjusting Different Angles of Rear Bracket Fixed Plate to Fit Different Installation Conditions



Install the Motor Fixed-End to the Gate Post-Bracket

1. Ensure that the Override Motor Key Post is facing towards the ground, away from the view of the public.



2. Once the lock pin and the lock washer are inserted between the fixed end motor and the gate post bracket ensure the power is not connected.
3. Insert override manual key.
4. Turn the key clockwise to disengage the motor clutch to enable manual operation of gate.

Considerations

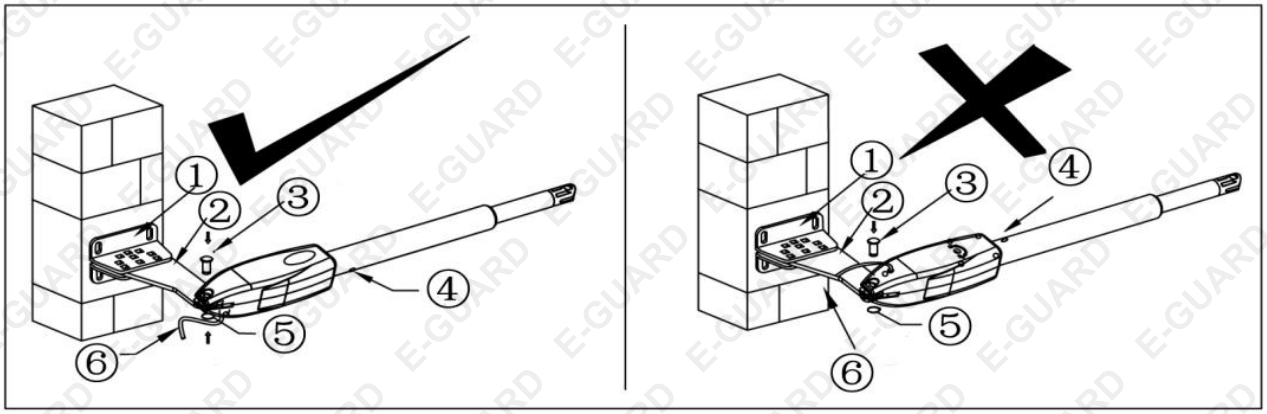


Figure 8

Figure 8 left, power cable and manual override release placed correctly

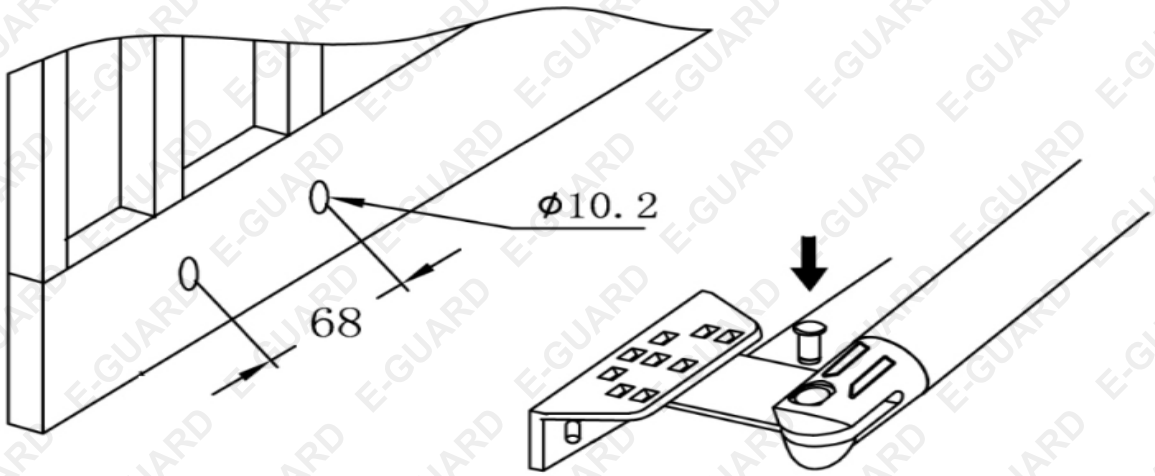
1. Post rear fixed bracket
2. Rear bracket fixed plate main motor arm
3. Lock pin

Figure 8 right, power cable and manual override release placed incorrectly

1. Rain drainage aperture
2. Washers and lock nuts
3. Power cable

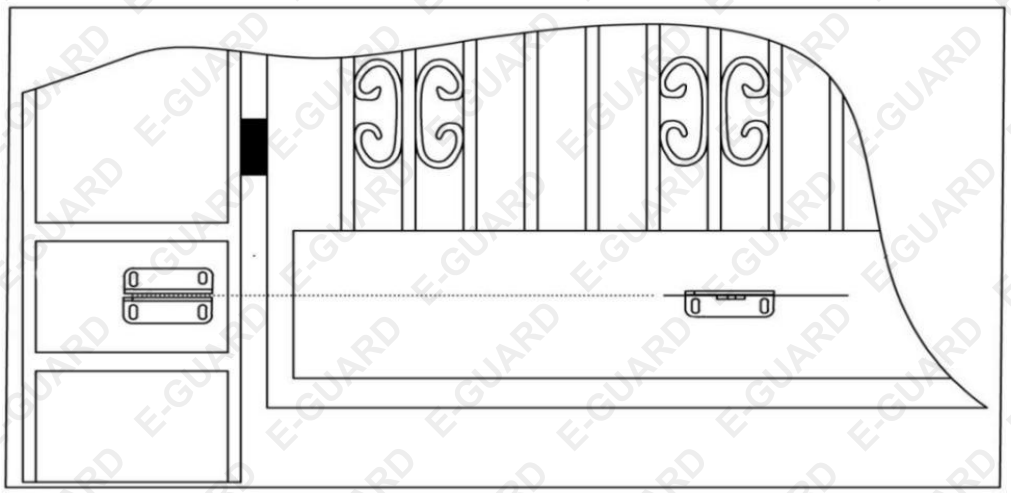
Note on Incorrect Installation, Figure 8, right: Cable must not be installed above the motor arm. It may pinch and strip the cable and causes electric shock. Also, the manual override release must be located face to the ground. Follow correct installation as shown in Figure 8 left.

Installation of Extended or Retracted End Motor Arms to Gates



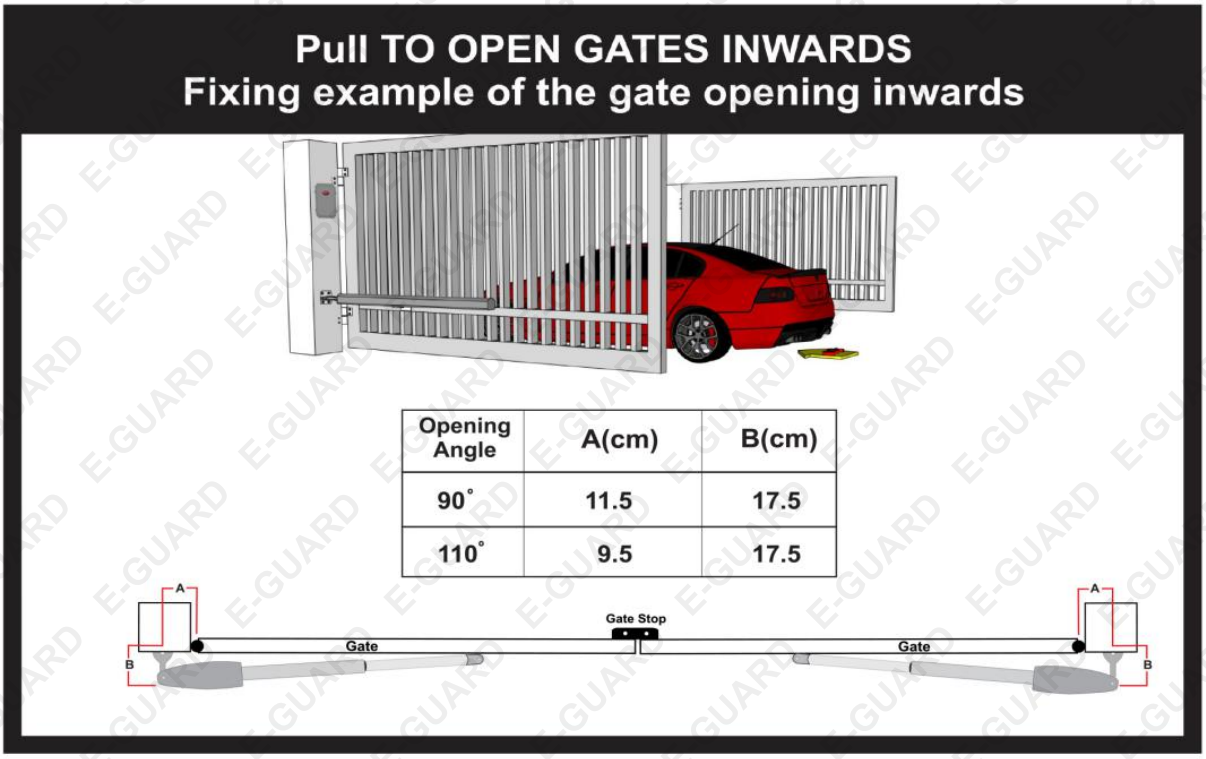
1. Drill 2 holes of 10.2mm diameter with space 68mm between 2 holes.
2. Locate the 2 slotted holes gate bracket above the drilled holes.
3. Place the end motor bracket to the gate bracket using the appropriate bolts and tighten properly (please note these bolts used to fixed front bracket to the gate are not provided due to the thickness of each gate is different).
4. Insert the lock pin and clamping washers.

Bracket Height



Ensure that the Post bracket height is in the same exact level with the gate bracket height. Failing to ensure accurate common heights will cause the motor arm to bend leading to failure. Also, the force to push or pull the gate will be reduced causing the motor to open or close the gates with difficulty or may not operate successfully at all. Severe different in height will damage the motor and the motor arm.

Configuration of Normally Closed Gate Opener System

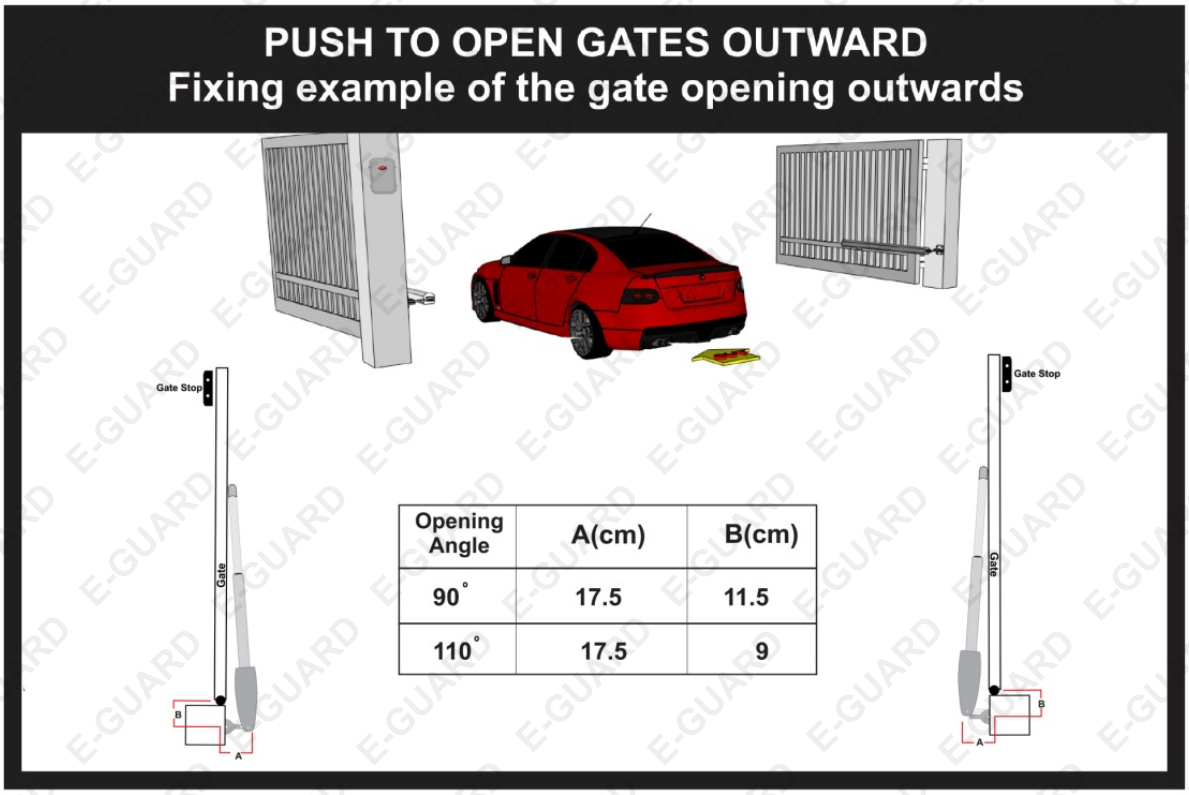


A: The distance between the gate post edge and the fixed motor hinge.

B: The distance between the gate hinge and the centreline of the motor hinge.

C: The distance between the gate hinge and the maximum distance of the retracted motor condition.

Configuration of Normally Open Gate Opener System



Opening Angle	A(cm)	B(cm)
90°	17.5	11.5
110°	17.5	9

A: The distance between the gate post edge and the fixed motor hinge.

B: The distance between the gate hinge and the centreline of the motor hinge.

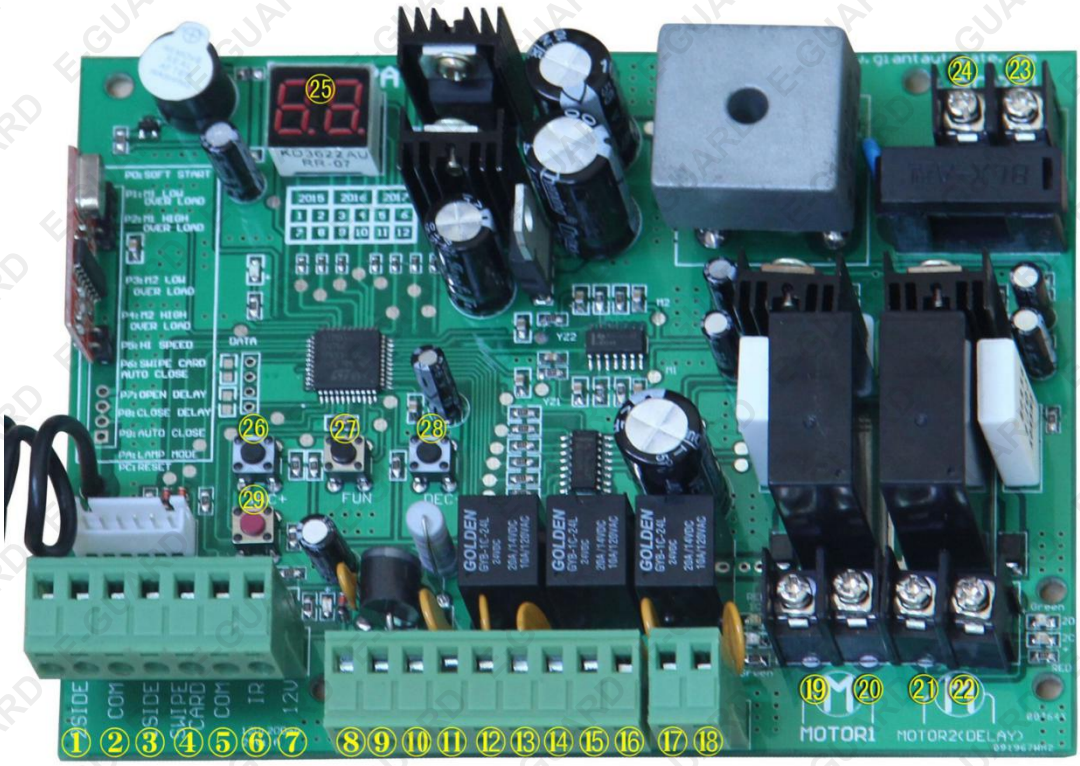
C: The distance between the gate hinge and the maximum distance of the retracted motor condition.

Operation

Control Board Wiring Diagram

Technical Parameters:

- Control Panel Voltage: AC24V, available for 24 V back up battery.
- Applicable Range: Suitable for double arms swing gate opener.
- Encoder For transmitter: Our own customised rolling code.
- Support remote control: Can memorize 120PCS transmitters at most
- Motor character: 24V DC motor x2



1. **2 SIDE**: Terminal is used for connecting any external device that operates double gate.
2. **COM**: Terminal is commonly used for connecting the “ground” of external devices.
3. **1 SIDE**: Terminal is used for connecting any external device that operates single gate.
4. **SWIPE CARD**: Terminal is used for connecting any external devices that will operate to open the gate.
5. **COM**: Terminal is commonly used for connecting the “ground” of external devices.
6. **Infrared**: Terminal is used for connecting photo electric sensor.
7. **12V DC**: Output is used for connecting photo electric sensor (Continuous output current <=200mA).
8. 24V battery output is used for connecting the backup battery +.
9. 24V battery output is used for connecting the backup battery -

10. 124V DC output is used for connecting external device. (such as photo electric sensor, max current output 1A).
11. GND is used for connecting the “ground” of external devices.
12. 24V DC lamp output is used for connecting flashlight +.
13. 24V DC lamp output is used for connecting flashlight -.
14. 24V DC lock output—the NF terminal which used for connecting the electric lock.
15. COM is commonly used for connecting the “ground” of lock.
16. 24V DC lock output—the NA terminal which used for connecting the magnetic lock.
17. 24V DC alarm output.
18. 24V DC alarm output.
19. **Motor 1**: Terminal is used for connecting the motor 1 installed on the gate that opens later and close first. This terminal connects 1st red wire, then blue wire (counted from your left-hand side to right hand side)
20. **Motor 1**: Terminal is used for connecting the motor 1 installed on the gate that opens later and close first. This terminal connects 1st red wire, then blue wire (counted from your left-hand side to right hand side).
21. **Motor 2 Delay**: Terminal is used for connecting the motor 2 installed on the gate that opens first and close later. This terminal connects 1st blue wire, then red wire (counted from your left-hand side to right hand side). NOTE: If for single gate, the gate motor just can connect the Motor 2 Delay terminal.
22. **Motor 2 Delay**: Terminal is used for connecting the motor 2 installed on the gate that opens first and close later. This terminal connects 1st blue wire, then red wire (counted from your left-hand side to right hand side). NOTE: If for single gate, the gate motor just can connect the Motor2 Delay terminal.
23. AC24V input is used for connecting the transformer.
24. AC24V input is used for connecting the transformer.
25. Digital display is used for showing you the setting data.
26. INC+ is used for figure increase when setting the data.
27. FUN is used for storing the data.
28. DEC- is used for figure decrease when setting the data.
29. Learning button is used to program/remove the remote.

Remote Control

Button 1: Pressed to operate a single gate.

Button 2: Pressed to operate double gates.

Button 3: Pressed for alarm output.

Programming A New Remote Control

30. Press the LEARN button on the control board for about a second, the indicator LED would turn off, then now means have already enter learning mode.
31. Press any button of the new remote control for about 2 seconds, then digital display would show the remote number while the indicator LED on board starts flash four times with one buzzer sound then now means the learning has been successful.

NOTE: After you press LEARN button, if no signal has been received within 5 seconds, indicator LED will turn ON and exit learning.

Removing the Remote Control

Press and hold the LEARN button for about 5 seconds, if buzzer sounds off and the indicator LED light turns on, it means that the remote has been removed successfully.

Setting the Control Board

After power has been turned on, the digital display will self-check from 00-99 with a buzzer sound. If the indicator LED light turns on, the buzzer will stop sounding off. It means that the system is now normal.

Basic Operation Method

Press and hold the [FUN] button until the digital display shows PO. Now you enter the menu setting. You could, by adjusting the [INC+] [DEC-], to increase or decrease the serial number or numerical value. After data adjustment has been set, press [FUN] to store the data. With one sound of the buzzer, the data storage has been successful. After storing the data, the digital display will still remember the menu number you just set. If you need to enter the next menu setting, press [INC+] or [DEC-] to choose and confirm with [FUN] to enter the menu number you want to set. After you have stored the P0 value and press [FUN] to store it, now the digital display will still show the number P0, and if you want to go further to adjust P1, press one [INC+], then digital display show P1, later press [FUN] to enter the P1 setting. And if you not need to enter next menu setting, you could press [LEARN] button to exit the menu setting.

To Set the Soft Start Time:

When the digital display indicates P0, the gate opener is on the soft start time setting. The soft start time is adjustable from 0 – 6 seconds, 0s means close the soft start time, max soft start time 6s. Each time you press and release the [INC+] button, the figure increase by 1; each time you press and release the [DEC-] button, the figure decreases by 1. Press the [FUN] button to store the data when the soft start time chosen, then the soft start time setting finished (Factory set 2s).

To Set the Level of Stall Force:

1. When digital display indicates P1, the gate opener is on Motor 1 low speed running stall force adjustment. There are 0-20 options, each time you press and release the [INC+] button, the figure increase by 1; each time you press and release the [DEC-] button, the figure decreases by 1. Press the [FUN] button to store the data when the stall force level chosen, then the stall force of Motor 1 low speed running stall force adjustment finished. (factory set 6 level).
2. When digital display indicates P2, the gate opener is on Motor 1 high speed running stall force adjustment. There are 0-20 options. Each time you press and release the [INC+] button, the figure increase by 1; each time you press and release the [DEC-] button, the figure decreases by 1. Press the [FUN] button to store the data when the stall force level chosen, then the stall force of Motor 1 high speed running stall force adjustment finished. (factory set 10 level).
3. When digital display indicates P3, the gate opener is on Motor 2 low speed running stall force adjustment. There are 0-20 options. Each time you press and release the [INC+] button, the figure increase by 1; each time you press and release the [DEC-] button, the figure decreases by 1. Press the [FUN] button to store the data when the stall force level chosen, then the stall force of Motor 2 low speed running stall force adjustment finished. (factory set 6 level).
4. When digital display indicates P4, the gate opener is on Motor 2 high speed running stall force adjustment. There are 0-20 options. Each time you press and release the [INC+] button, the figure increase by 1; each time you press and release the [DEC-] button, the figure decreases by 1. Press the [FUN] button to store the data when the stall force level chosen, then the stall force of Motor 2 high speed running stall force adjustment finished. (factory set 10 level).

To Set the High-Speed Running Time:

When digital display indicates P5, the gate opener is on high speed running time setting. There are 0-33s options. 0s means without high speed running, gate opener would keep running in slow speed. Max high speed running time 33s. Each time you press and release the [INC+] button, the figure increase by 1; each time you press and release the [DEC-] button, the figure decreases by 1. Press the [FUN] button to store the data when the high-speed running time chosen, then the high-speed running time setting finished. (factory set 5s).

To Set the Auto Close Time After Swipe Card:

When digital display indicates P6, the gate opener is on auto close time setting (NOTE: this auto close time just means the auto close function which realize through external device-). There are 0-99s options. 0 means the gate opener would not auto close after swipe card. Max auto close time after swipe card 99s. Each time you press and release the [INC+] button, the figure increase by 1; each time you press and release the [DEC-] button, the figure decreases by 1. Press the [FUN] button to store the data when the auto close time after swipe card chosen, then the auto close time after swipe card finished (factory set 10s).

To Set the Interval Time:

1. When digital display indicates P7, the gate opener is on open interval time setting. There are 0-10s options. 0s means double gates open simultaneously. “1” means the Motor 1 start to open 1 second before Motor 2 start to open. Max open interval time 10s. Each time you press and release the [INC+] button, the figure increase by 1; each time you press and release the [DEC-] button, the figure decreases by 1. Press the [FUN] button to store the data when the open interval time chosen, then the open interval time setting finished (factory set 0s).
2. When digital display indicates P8, the gate opener is on close interval time setting. There are 0-10s options. 0s mean double gates close simultaneously. “1” means the Motor 2 start to close 1 second before Motor 1 start to close. Max close interval time 10s. Each time you press and release the [INC+] button, the figure increase by 1; each time you press and release the [DEC-] button, the figure decreases by 1. Press the [FUN] button to store the data when the close interval time chosen, then the close interval time setting finished (factory set 0s).

To Set Auto Close Time:

When digital display indicates P9, the gate opener is on auto close time setting. There are 0-99s options. 0s mean the gate opener would not auto close. Max auto close time is 99s. Each time you press and release the [INC+] button, the figure increase by 1; each time you press and release the [DEC-] button, the figure decreases by 1. Press the [FUN] button to store the data when the auto close time chosen, then the auto close time setting finished. (factory set 0).

To Set Lamp/Alarm Output Control:

When digital display indicates PA, the gate opener is on lamp/alarm output control setting. There are 0-3 options. “0” means the alarm on mono-stability model and the lamp without voltage output after the gate total close 30s, other time with voltage output. “1” means the alarm on mono-stability model and the lamp would only flash when gate running. “2” means the alarm on bi-stability model and the lamp without voltage output after the gate total close 30s, other time with voltage output. “3” means the alarm on bi-stability model and the lamp would only flash when gate running. Each time you press and release the [INC+] button, the figure increase by 1; each time you press and release the [DEC-] button, the figure decreases by 1. Press the [FUN] button to store the data when the auto close time chosen, then the lamp/alarm output control setting finished. (factory set 0).

To Set Lock Time:

When digital display indicates Pb, the gate opener is on lock time control setting. The lock control time means the time we could control the lock. There are 0-1 options. “0” means the lock control time is 0.5s, “1” means the lock control time is 5s. Each time you press and release the [INC+] button, the figure increase by 1; each time you press and release the [DEC-] button, the figure decreases by 1. Press the [FUN] button to store the data when the lock control time chosen, then the lock time setting finished. (factory set 0).

To Choose Single/Double Gate Open:

When digital display indicates PC, the gate opener is on single/double gate open setting. There are 0-3 options. “0” means the gate could not open by remote, “1” means just can open one single gate, “2” means can just open two leaf gate, “3” means can open one single gate as well as two leaf gates. Each time you press and release the [INC+] button, the figure increase by 1; each time you press and release the [DEC-] button, the figure decreases by 1. Press the [FUN] button to store the data when the single/double gate open chosen, then the remote button setting finished. (factory set 3).

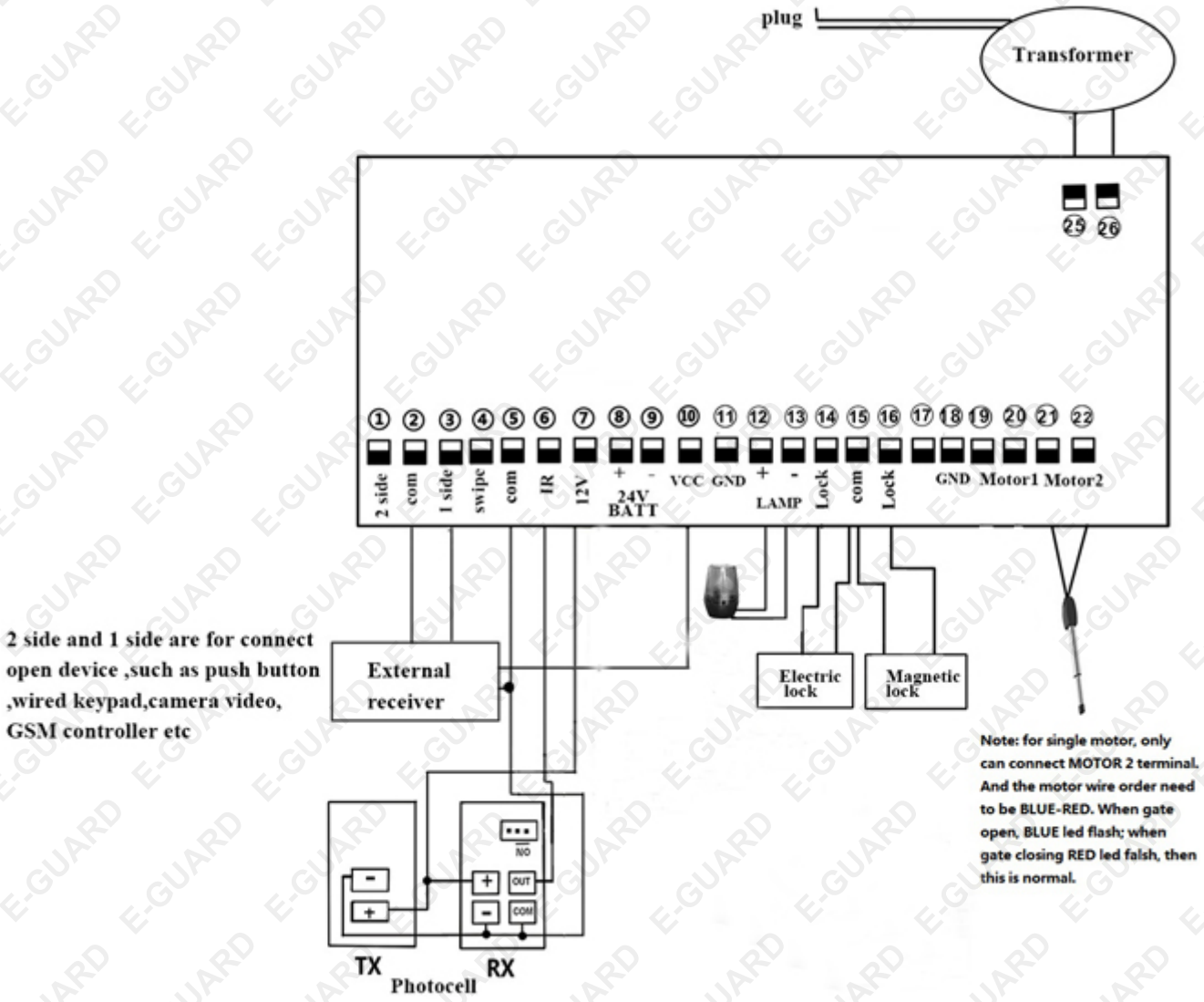
To Choose Photocell Work in NC Or NO

When digital display indicates Pd, you could choose the photocell work in NO or NC. Value 00 means work in NO, value 01 means work in NC.

To Reset:

When digital display indicates Po, the gate opener is on rest setting. After enter Po setting, press the [FUN] to store, then the reset will have been completed successfully.

Wiring Diagram



Specifications

Voltage	220-240V
Max Per Leaf Gate	3.5m
Max gate weight	450kg
Waterproof Grade	IP55

Please Note: Professional installation is recommended.
Wiring will need to be purchased separately to suit your set up.

Some experts believe that the incorrect or prolonged use of almost any product may cause serious injury or death. To help reduce your risk of serious injury or death, refer to the information below. For more information, see www.datastreamserver.com/safety

- Consult all documentation, packaging and product labelling before use. Note that some products feature documentation available online. It is recommended to print and retain the documentation.
- Before each use, check the product for loose/broken/damaged/missing parts, wear or leaks (if applicable). Never use a product with loose/broken/damaged/missing parts, wear or leaks.
- Products must be inspected and serviced (if applicable) by a qualified technician every 6 months. This is based on average residential use by persons of average size and strength, and on a property of average metropolitan size. Use beyond these recommendations may require more frequent inspections/servicing.
- Ensure that all users of the product have completed a suitable industry recognised training course before being allowed access to the product.
- The product has been supplied by a general merchandise retailer that may not be familiar with your specific application or description of application. Be sure to attain third-party approval from a qualified specialist for your application before use, regardless of any assurances from the retailer or its representatives.
- This product is not intended for use where fail-safe operation is required. As with any product (for example, automobile, computer, toaster), there is the possibility of technical issues that may require the repair or replacement of parts, or the product itself. If the possibility of such failure and the associated time it may take to rectify could in any way inconvenience the user, business or employee, or financially affect the user, business or employee, then the product is not suitable for your requirements. This product is not intended for use where incorrect operation or a failure of any kind, including but not limited to, a condition requiring product return, replacement, parts replacement or service by a technician may cause financial loss, loss of employee time or an inconvenience requiring compensation.
- If this product has been purchased in error when considering the information presented here, contact the retailer directly for details of their returns policy, if required.