EGUARD

Sliding Gate Opener - SLN-168

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.

Preliminary Checks

To ensure safety and an efficient automation make sure the following requirements are met:

- The gate structure must be suitable for automation.
- Make sure that the gate moves properly and uniformly without any irregular friction during their entire travel.
- The gates wheels and track must be in good condition with no bitting, no rust and must be well greased.
- The gates should be able to be freely opened and closed before installing the gate automation system.
- It is strongly suggested to have a gate stop installed for the open position for emergency purposes.

Important Safety Information

Installer and owners should observe the following:

- Make sure that there is enough space for the gate to slide open fully without interference.
- Do not change with parts or components not supplied by the manufacturer, this includes sensors, buttons, and any component not listed in the compatibility list.
- Make sure all wiring works are correct and in good condition before applying power to the system.
- Turn off the power when doing any maintenance.
- Ensure the control panel is not exposed to water to avoid short circuiting of the control panel.
- Do not supply mains power directly to the motor, control box or any accessories.
- Do not install the operating system if in doubt. Contact the manufacturer.
- Do not cross the gate while it is operating, Safety sensors are only to prevent accidents or injuries.
- Keep the remote controls in safe place and away from children.
- Before beginning installation, the manual should be read thoroughly concerning all aspects of the installation including all precautions and safety information.
- Proper steps should be taken to ensure efficient and safe installation for vehicles, property and persons within the operators working radius.
- The system is fitted with an over current sensing feature to assist in preventing damages, injuries and death.
- All precautions must be taken by the installer that adjustments are set correct based on the gates weight, height and length.
- The system sensitivity should be set to allow consistent operation of the gates under normal operating conditions.
- The system may not detect (Over current sense) against light loads such as small object, young children and animals. It is the operator's duty to ensure that the area is clear prior to operation.
- Photo sensors or reflective sensors should always be installed to assist in accident or death prevention. You agree to install this product following any and all safety requirements listed in this manual or required under local, state or national regulations. Our company and our distributors, stockist or sellers are not liable for any direct, indirect, incidental, special or consequential damages or loss of profit whether based in contract or any other legal theory during warranty or afterwards. If you do not feel capable of properly installing the operator based on the above information or otherwise do not proceed. Photo evidence of the installation will be required to assist in warranty product claims.
- Do not operate the gate if there are people or obstacles in the gate's path.
- The power supply for the control board should be equipped with a separate switch with a fuse rated at 10AMP.
- Always disconnect the power supply before attempting any service or repairs on the sliding gate.
- The rack must be fixed securely and in a straight line parallel to the gate track, it must also sit squarely over the drive gear.
- Ensure the gap between the rack and drive gear is adequate to avoid excessive load on the drive gear.
- Confirm the direction of the moving gate, the supplied gate stops should be installed in a right position to avoid the motor running out of control.

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.	

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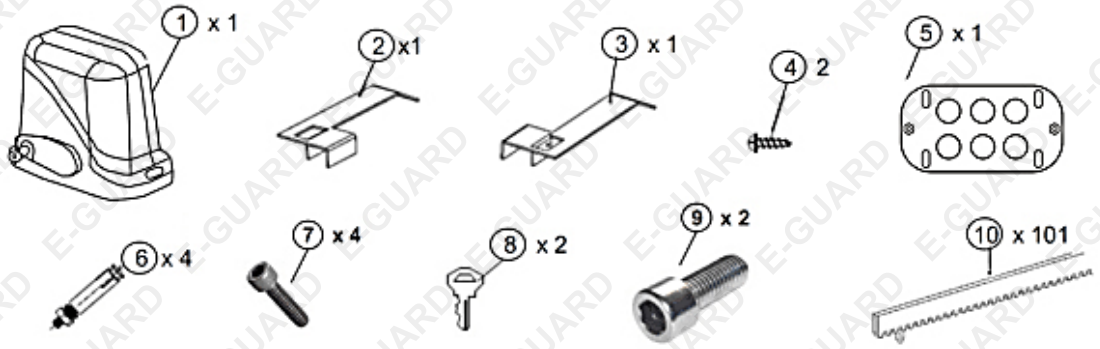
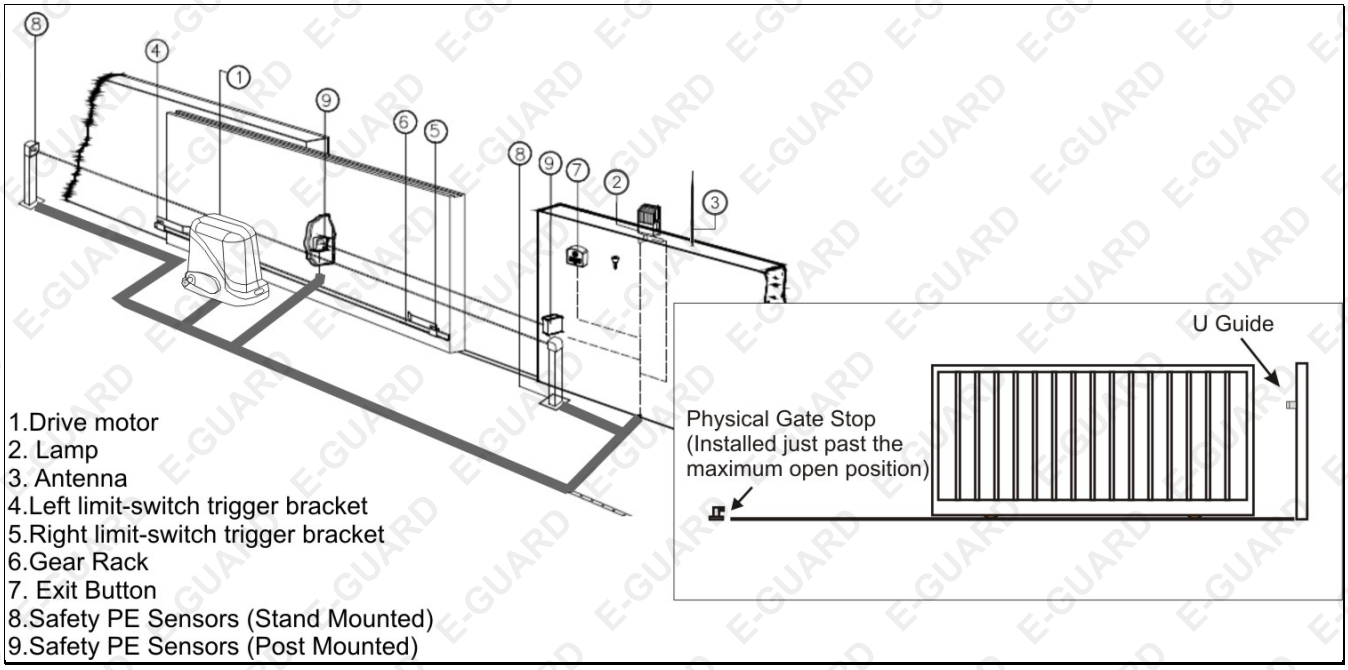
Parts Identification



No.	Name
1	Sliding gate motor
2	RHS limit switch strike plate
3	LHS limit switch striker plate
4	Motor cover screws
5	Motor base plate
6	Dyna bolts
7	Striker plate fixing bolts
8	Override keys
9	Motor to mounting plate screws
10	Gear rack

Assembly and Set-Up

Typical Installation Layout



Motor Positioning

1. Decide on the position that is most suitable to install the motor.
2. Temporarily fit the base plate under the motor housing and place in the position to the gate opener will be fitted, ensure that the position of the base plate is about 35mm away from the gate (see Diagram 1).

NOTE: Place one piece of Gear rack on top of the gear to ensure that you have the right height to install the gear rack

3. Mark around the base plate.
4. Remove the motor housing.
5. Mark the 4 holes position to be drilled for the base plate (see Diagram 2).

NOTE: Ensure motor base plate is level, if not make the necessary adjustments to rectify.

6. Drill the 4 holes.
7. Fix the motor housing on the base plate.
8. Fix the base plate using the appropriate screw (for metal) or dyna bolts for concrete).

Diagram 1

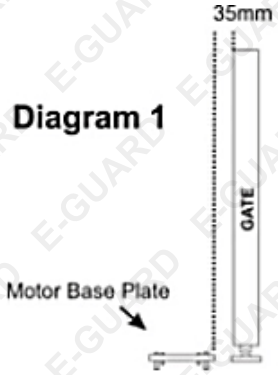
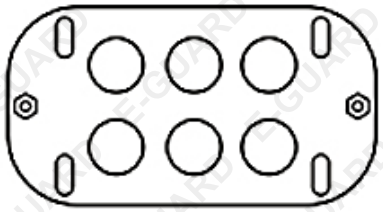


Diagram 2



Preparing and Installing the Gear Racks

1. Using the supplied key, unlock the manual override and pull out the manual override lever (see diagram 3) then manually close the gate.
2. Insert the key in the key, barrel and turn the key, clockwise and pull to allow the manual override lever to swing out

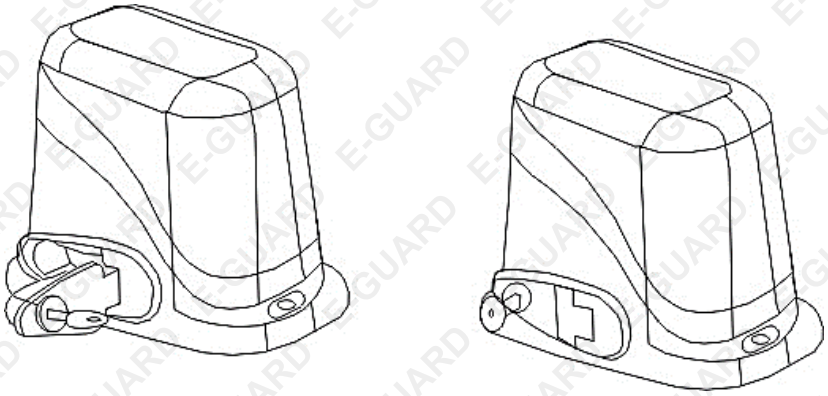


Diagram 3

Installing the Gear Rack onto the Gate

1. Each piece of rack will interlock into the next piece (see diagram 4). The best method for installation is to first close the gate using the manual override, sit the first piece on the gear of the motor (make sure it is 100% level first) then fix directly to the gate in the centre of the fixing hole of the rack.
2. Now loosen the fixing and adjust the spacing between the motor gear and the gear rack (allow 2-3mm gap
3. Re-tighten and fix the next remaining holes on the rack.
4. Move the gate manually forward and backward along the installed rack to ensure that the gap between the rack and the gear is consistent throughout.
5. Clip in the next piece of rack into the first (make sure it is 100% level first) then fix directly to the gate in the centre of the fixing hole of the rack.
6. Again, move the gate manually forward and backward along the installed racks to ensure that the gap between the rack and the gear is consistent throughout.
7. Repeat the above method to complete the racks installation and always be sure to move the gate manually forward and backward every time you install another piece of the rack.

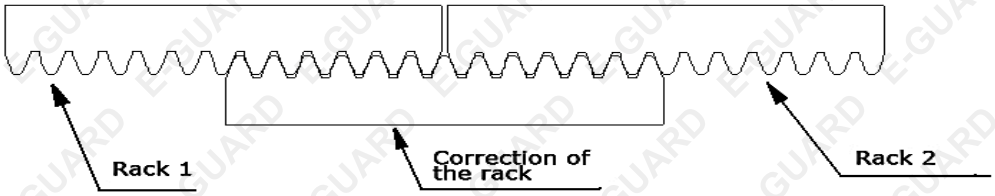
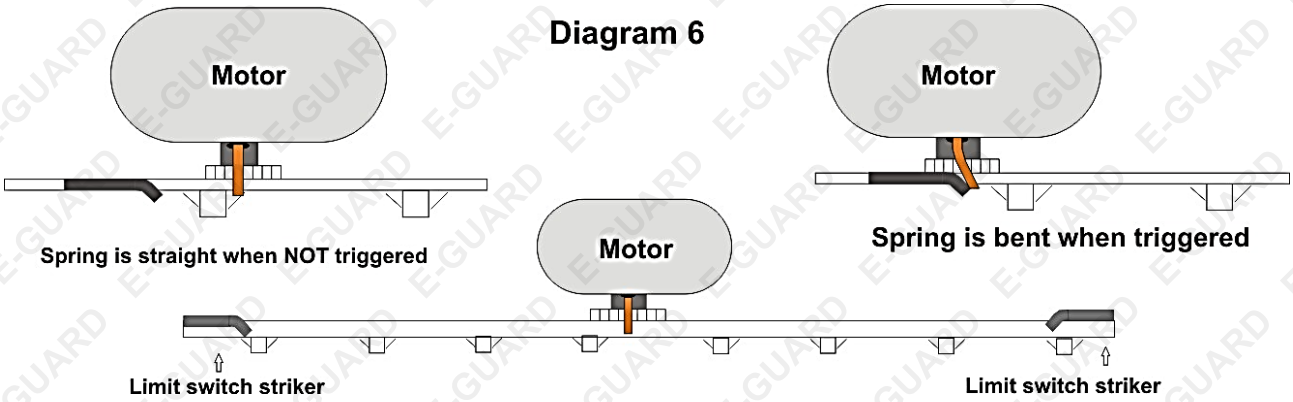


Diagram 4

8. The striker plates must be installed now to set the open and close positions for the motor's operation. They are fixed onto the gear rack and should strike the limit switch spring on the motor to set the operating parameter (see diagram 6).
9. Using the manual override open the gate to the desired open position and install the open striker then close the gate to the desired position and install the closed striker (small adjustment afterwards may be necessary to achieve the best results when the motor is powered later).

Diagram 6



Installation Diagram of Electrical Parts

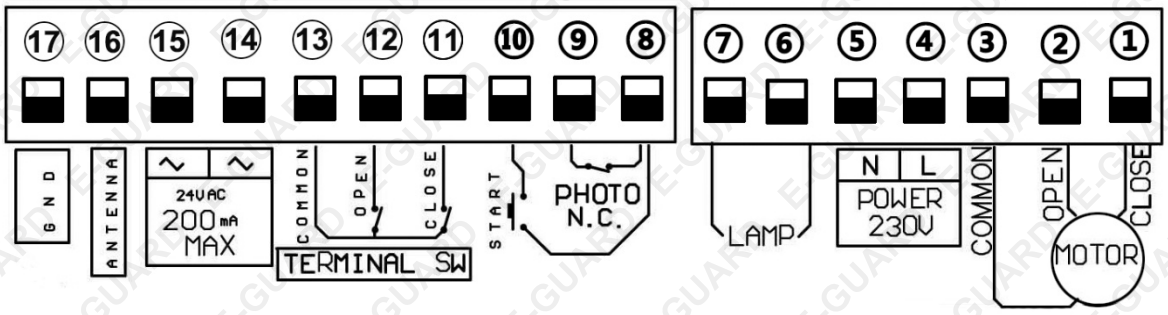


Diagram 7

- Terminal 4 and 5 are for connecting to 220V power outlet.
- Connect to sliding gate motor
- Install the motor on the right side of the gate (Please see Diagram 8).

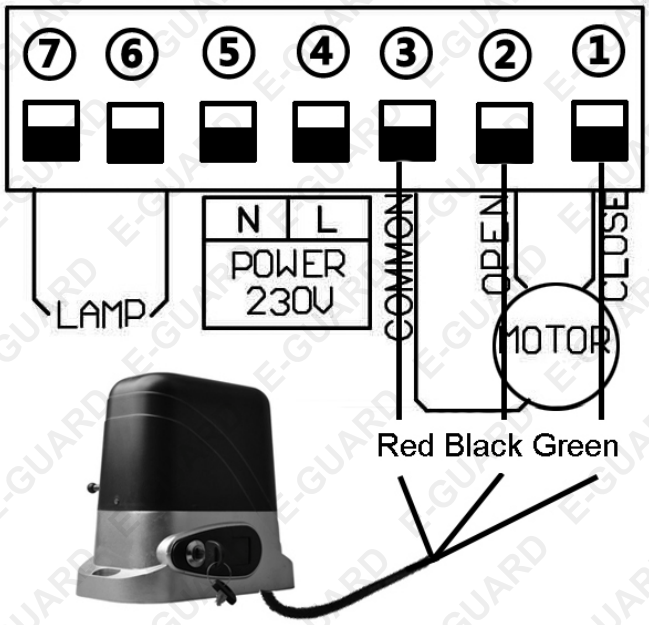


Diagram 8

When the motor is being installed to the right side of the gate, the motor wires diagram is as follows:

- Terminal 1 connects the green wire from the motor.
- Terminal 2 connects the black wire from the motor.
- Terminal 3 connects the red wire from the motor.

NOTE: The installation of the motor to the right side of the gate is the default factory setting.

- Install the motor on the left side of the gate (Please see Diagram 9).

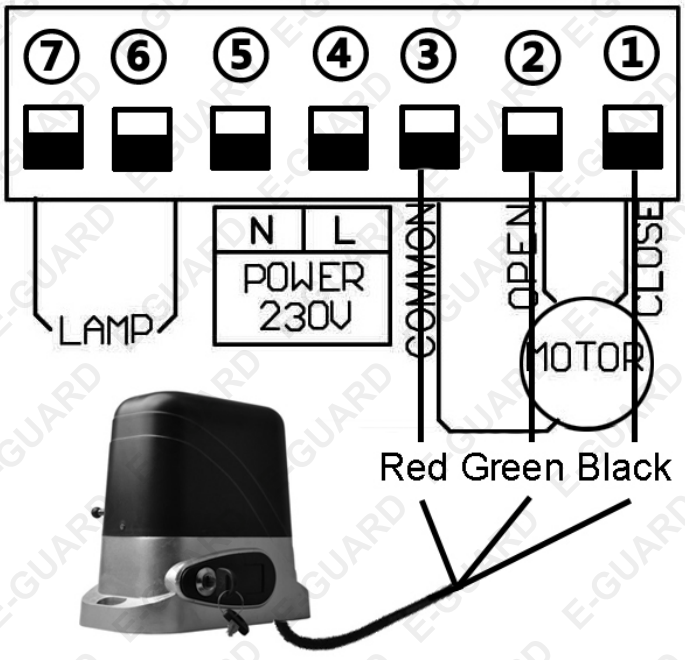


Diagram 9

When the motor is being installed to the left side of the gate, the motor wires diagram is as follows:

- Terminal 1 connects the black wire from the motor.
- Terminal 2 connects the green wire from the motor.
- Terminal 3 connects the red wire from the motor.

NOTE: • When you exchange the black and green wires, check if the motor can close and stop normally. If it can't, please push "K1" up or down to the opposite direction. • The "K1" on board limit switch direction includes two pcs. of short circuit caps. You need to push up or down the caps simultaneously, then it will work.

Connecting the LED Light

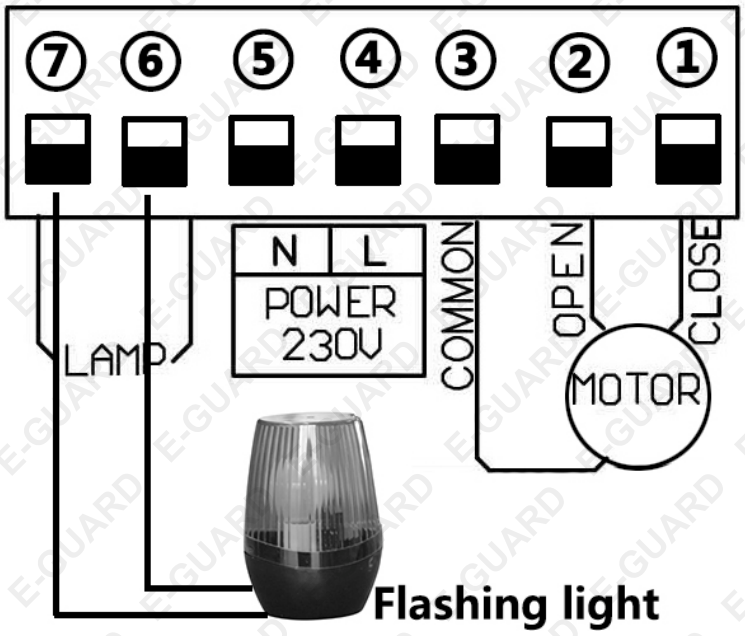


Diagram 10

Terminal 6 and 7 is for the LED light.

Connecting the Infrared Sensor

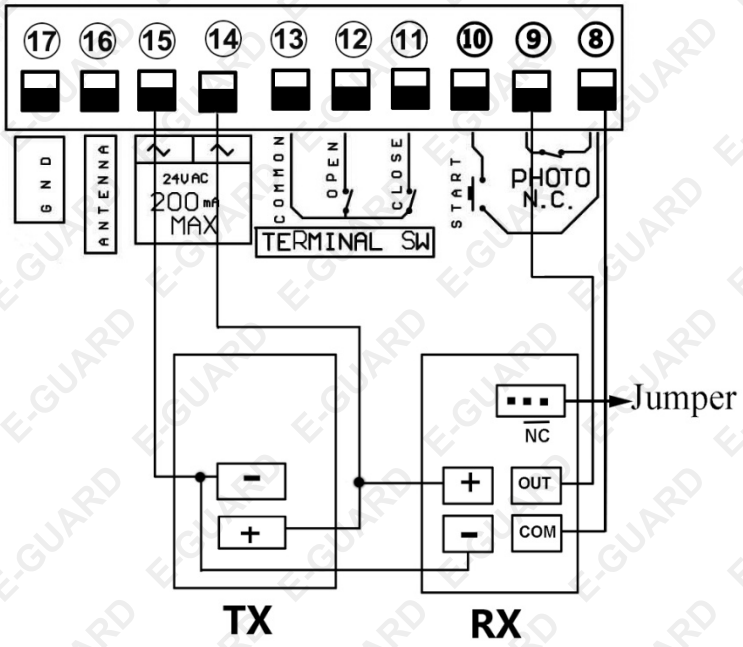


Diagram 11

1. First, find a little wire between terminal 8 and 9 and remove it.
2. Then, connect terminal 8 to the “COM” of photocell RX.
3. Connect terminal 9 to the “OUT” of photocell RX.
4. Terminals 14 and 15 are supplying power for the external device. Connect Terminal 14 to the “+” of photocell RX and TX.
5. Connect terminal 15 to the “-“ of photocell RX and TX.

NOTE: 220VAC sliding gate control board is designed to connect to the NC model of the photocell. Keep the jumper on the NC, as Diagram 11 shows.

Connecting to the Open Device

When you don’t want to use the remote control to control the gate, Terminal 10 is for you to connect some external device like a push button, wired keypad, receiver, etc. Please see Diagram 12.

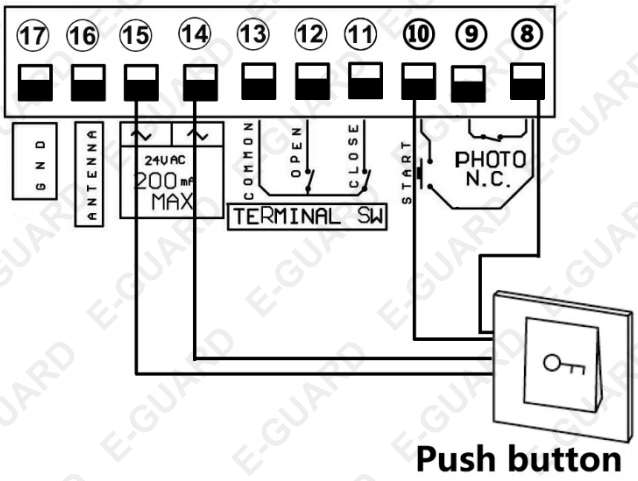


Diagram 12

Example for push button:

Terminals 8 and 10 connect to the push button, while Terminals 14 and 15 supply power to the push button.

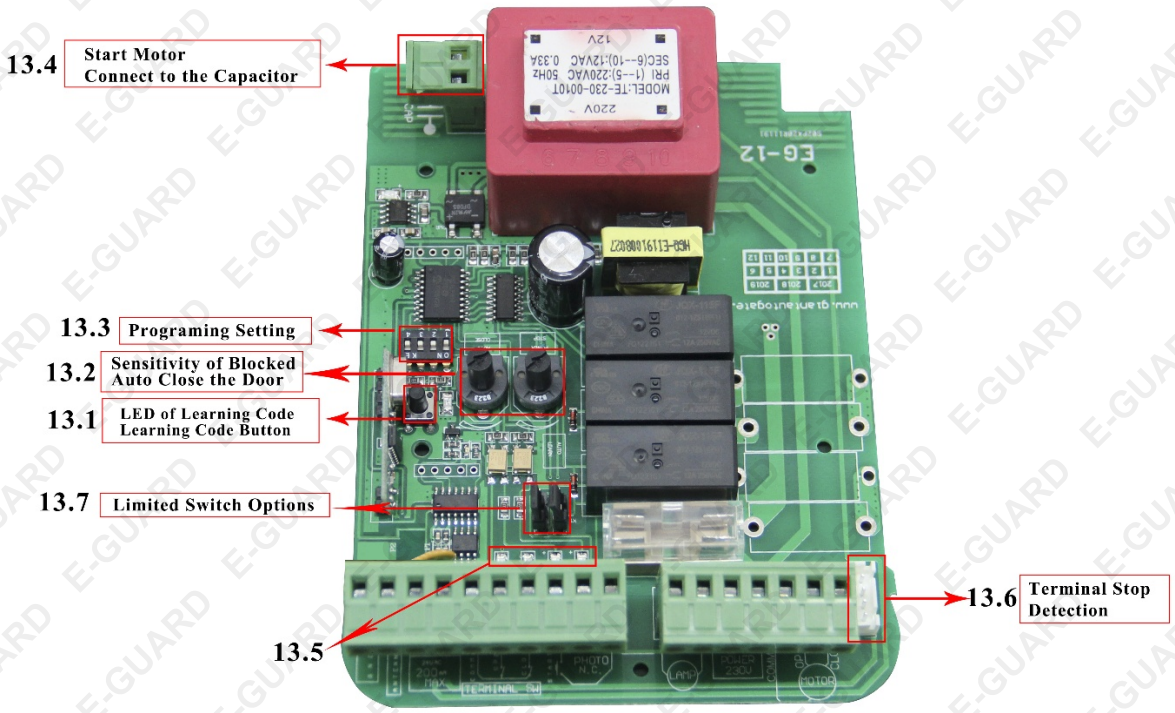
Operation

Power-Up and Testing Procedure

1. Check the operating direction wiring and switch again.
2. Close the gate using the manual override.
3. Re lock the manual override.
4. Connect the power cord to a 10amp power point.
5. Press number 1 on the remote control to start your test.
6. The gate should open and stop when the limit switch spring is triggered.

If the gate does not stop when the spring is triggered, reverse the limit switch directions switch.

Control Board Layout



The following functions refer to the picture control board layout.

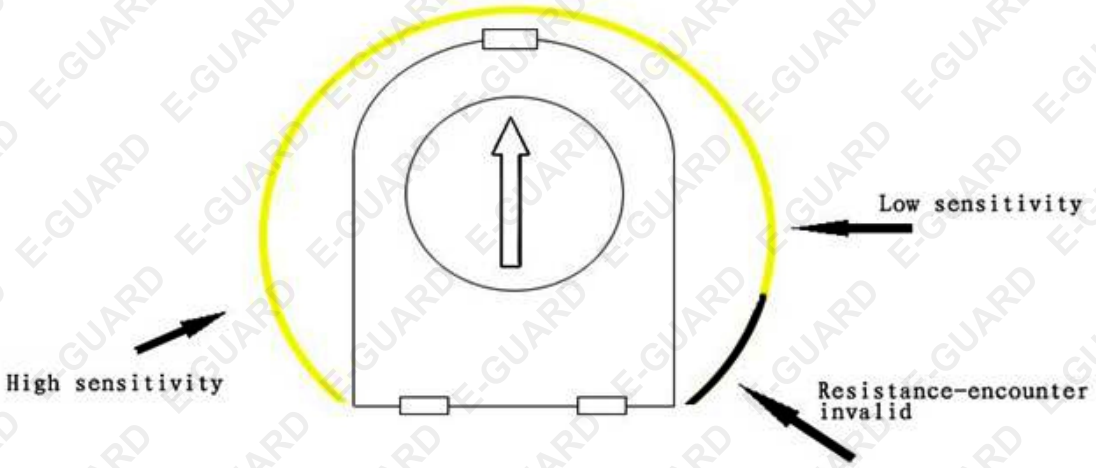
How to Learn the Remote-Control Code

If you use the original remote, the code learning and deleting method as below show:

1. A. If through the learning button to code learning, then the board can memory 20 pcs remote control
2. Press board "AUTO LEARN" button (as photo show 13.1), LED -D5 will light for 10 seconds. During this time, just press the button of the remote control, its code will be learned. If the code has been received, LED-D5 will go off and the motor will start.

3. If there are no pressed buttons, LED-D5 will go off after 10 seconds, and the receiver will automatic quit learning functions.
4. Press and hold the button for 6 seconds, LED-D5 will flash, and then release the button. All of the codes will be cleared that has been memorized in the control board.

Blockade Detection



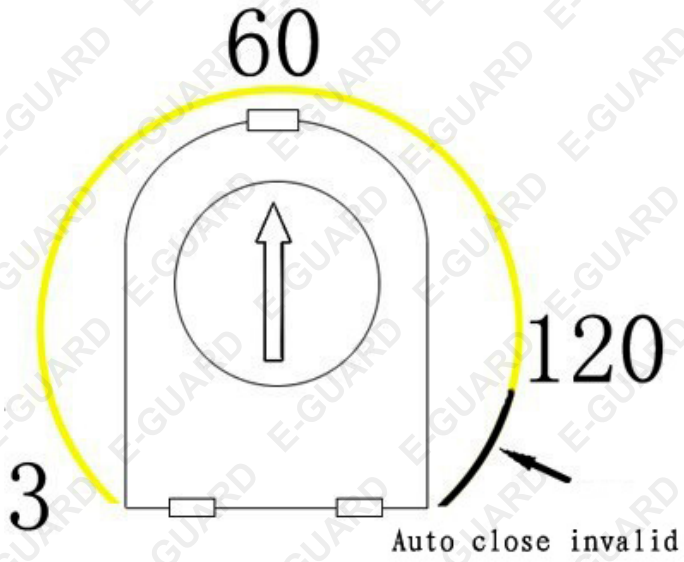
As the picture above shows, we can rotate the “POWER STOP” that parts. So, we can adjust the sensitivity of the blockade detector.

- **High Sensitivity**: When the motor is rotating and it will meet some minor resistance, the control board will send a signal to the motor to stop rotating.
- **Low Sensitivity**: When the motor is rotation and it will meet some major resistance, the control board will send a signal to the motor to stop rotating.

NOTE: When the motor is rotating, you will know if the system is working if the LED-D5 flashes.

- As the picture above shows, when the pointer rotates to the black part, the control panel will shut down this system, and when the motor is working, LED-D5 will not light-up anymore.

Auto-Closing the Gate



- When the gate is open, rotate the pointer to the yellow part. The control panel will control the motor to auto-close the gate. This time can be adjusted from 3 to 120 seconds.
- As picture above shows, rotate the pointer to the black area. The control panel will automatically exit the auto-closed function.

Programming Settings

- **Dial-up 1** → **OFF**: When the motor is running, the lights will light-up and the motor will stop. After a minute has passed, the lights will turn off.

  Dial-up 1 → **ON**: As long as the motor is running, the lights will light-up and the motor will stop, and light is off.
- **Dial-up 2** → **OFF**: Motor control (including the use of control and short start), motor running is as follows:

  Open → Stop → Close → Stop → Open…
- **Dial-up 2** → **ON**: Motor control (Including the use of control and short start), motor running is as follows:

  Open → Stop → Close → Stop, then automatically opens the gate…
- **Dial-up 3** → **OFF**: When the system is in a closed state, there are obstacles to the infrared sensors. The motor will stop it and automatically open the gate.

  Dial-up 3 → **ON**: When the system is in a closed state, there are obstacles to the infrared sensors. The motor will stop it.
- **Dial-up 4** → **OFF**: This resistance encounter is set for high sensitivity.

  Dial-up 4 → **ON**: The resistance encounter is set for a lower sensitivity.

NOTE: In the Dial-up 4, 'ON' position, there are more choices for the motor power.

Motor Start Capacitors

Capacitors are connected to the control board. Before operating the motor, please confirm if the interface of the capacitors is secure. Please see Control Board Layout.

LED Light Indicator

- **D1**: The infrared sensors output signal instructions.
  - **LED ON**: Infrared sensors detection, there are no obstacles.
  - **LED OFF**: Infrared sensors detection; if there are obstacles when closing the gate, the motor will automatically stop working.
- **D2**
  - **LED ON**: We use a conductor, make the START terminal connected with the right second terminal. The light will light-up. This will have the same function (use the remote control, just press once).
  - **LED OFF**: not operating.
- **D3**: Limit switch of closing the gate.
  - **LED ON**: The gate is not completely closed.
  - **LED OFF**: The gate has been completely closed
- **D4**: Limit switch of opening the gate.
  - **LED ON**: The gate is not completely opened
  - **LED OFF**: The gate is completely opened

Terminal Stop Detection Interface

Terminal stop detection have 2 types: one is for opening the gate, the other one is closing the gate if operations are normal. 2-pointer will connect to two positions. When in the right position, it will break it.

Limited Switch Options

Limit switch is used to switch the terminal stop detection interface regarding the direction of opening and closing of the gate.

Maintenance

- The rack and drive gear should be kept clean. Do not attach any objects to the gate that may interfere with the rack or drive gear.
- Frequently clean the sundries on the magnet limit.
- Lubricate all moving parts every 3 months.
- If the control circuit board is fitted with an optional back-up battery, check the condition once a month and replace if necessary.
- Check if the power cables and conduit have not been damaged.
- During heavy rainfall or light flooding, check if the motor housing has water in it.

Troubleshooting

Problem	Possible Causes	Possible Solutions
Gate fails to operate.	▪ Check the clutch states, is it in a power-driven state or not? ▪ No power indication, and power has tripped. ▪ The fuse is broken. ▪ Remote control failure or invalidation. ▪ Damaged power cable. ▪ Remote control or motor problem.	▪ Let the motor recover. ▪ Restore the power back. ▪ Change the fuse. ▪ Detect or change. ▪ Detect and Repair. ▪ Detect and Repair.
Working distance of remote control has been reduced.	▪ Battery power is low, or battery is damaged. ▪ Interference from equipment that is using the same frequency. ▪ The receiver of the controller is damaged.	▪ Replace the battery. ▪ Move the interference away. ▪ Replace the control board.
Gate fails to stop at start or end position.	▪ The terminal stop toggle switch is damaged or obstructed. ▪ Limiting switch of the motor and the limit detection of the interface PCB board has been plugged off. ▪ Limiter of the open and close position is in the wrong position.	▪ Replace the toggle switch or remove the obstruction. ▪ Insert and fix it. ▪ Adjust the limiter switch (K1).
Pressing the Open and Close button of motor can't get it to operate.	▪ Blockade sensitivity is too high (set too big). ▪ The gate has lifted off the track and disengaged the drive gear from the rack.	▪ Lower blockade sensitivity, and check if the gears and racks are operating normally. ▪ Perform maintenance on it or replace it.

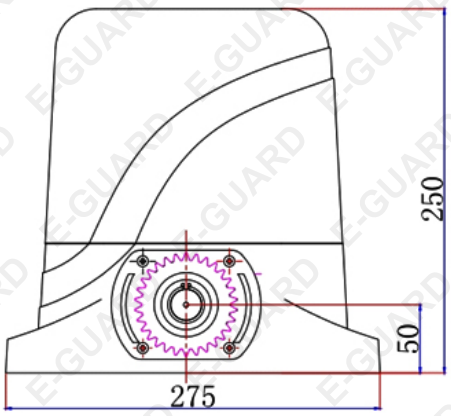
Specifications

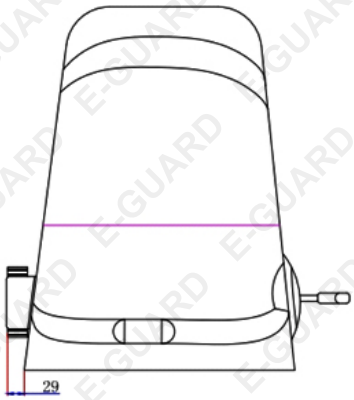
Product Specifications

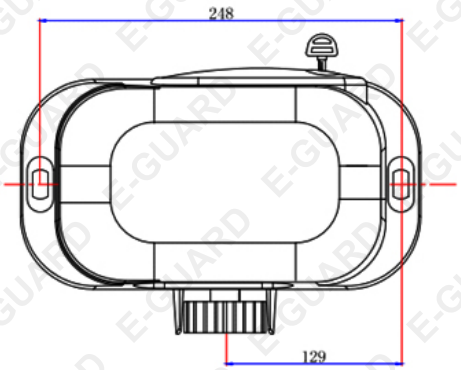
Voltage	220-240V
Max Gate Weight	1500kg
Waterproof Grade	IP5
Nylon Gear Racks	6m
Remotes	3
Remote range	50m
Smart Sensitivity	Yes
Auto-Close	Yes

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

Dimensions







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.