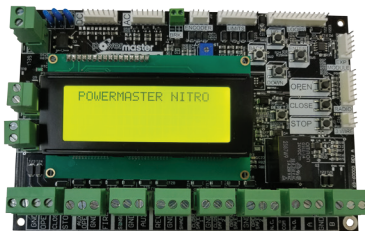


powermaster

INSTALLATION AND OWNER'S MANUAL

MODEL DSW Swing Gate Operator

UL 325 and UL 991 Listed



***WITH NITRO BOARD
(SEE SUPPLEMENTAL MANUAL)***

Serial #:
Date Installed:
Your Dealer:

READ THIS MANUAL CAREFULLY
BEFORE INSTALLATION OR USE.
SAVE THESE INSTRUCTIONS.



IMPORTANT NOTICE FOR GATE OPERATORS MANUFACTURED AFTER JANUARY 11TH, 2016

All gate operators manufactured after January 11th, 2016 must have a monitored input for each direction. In order to satisfy this requirement, all PowerMaster gate operators with the universal board will have one monitored input for each direction. The close photo (11) terminal will function for the close direction and the open photo (10) will function for the open direction. These terminals will look for, or “monitor”, the presence of a 10k in-line resistor. If either terminal does not detect the presence of the monitored device, the unit will function in constant contact for this direction.

Note: The first time a monitored device is added to the unit, the board must “learn” what the monitored device is. To have the board learn the monitored device, perform the following steps:

1. With the power off, hold both the open and close limit simultaneously.
2. Power up the unit and release your fingers from the limits. The unit has now learned the monitored device.

E.g. The operator detects there is a monitored device on the 11 terminal but not the 10 terminal. The operator will function in momentary contact to close and constant pressure to open.

Following are the monitored devices acceptable for use with the GSMCB02:

Device	Manufacturer	Description
Prime-Guard	Miller Edge	Monitored Photoeye
Reflecti-Guard	Miller Edge	Retroreflective Monitored Photoeye
IRB-MON	EMX	Monitored Photoeye
IRB-RET	EMX	Retroreflective Monitored Photoeye
The Solution	Miller Edge	Multiple Safety Devices

Any actions taken to circumvent this monitoring are in violation of the UL325, building code, and local laws.

IMPORTANT!

FOR SWING GATE OPERATING SYSTEMS, SAFETY IS EVERYONE'S BUSINESS.

Automatic gate operators provide convenience and security to users. However, because these machines can produce high levels of force, it is important that all gate operator system designers, installers, and end users be aware of the potential hazards associated with improperly designed, installed, or maintained systems. Keep in mind that the gate operator is a component part of a total gate operating system.

The following information contains various safety precautions and warnings for the system designer, installer and end user. These instructions provide an overview of the importance of safe design, installation, and use.

Warnings are identified with the ▲ symbol. This symbol will identify some of the conditions that can result in serious injury or death. Take time to carefully read and follow these precautions and other important information provided to help ensure safe system design, installation and use.

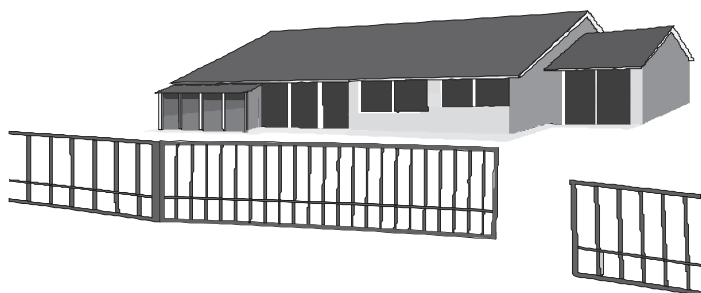
▲ WARNING: Gate operators are only one part of a total gate operating system. It is the responsibility of purchaser, designer, and installer to ensure that the total system is safe for its intended use. All secondary entrapment safety devices must be **RECOGNIZED** by UL to ensure the safety of the complete operating system.

UL INSTALLATION AND SAFETY CONSIDERATIONS

INSTALLATION CLASSES

CLASS I - RESIDENTIAL VEHICULAR GATE OPERATOR

A vehicular gate operator (or system) intended for use in a home of one to four single-family dwellings, or a garage or parking area associated therewith.



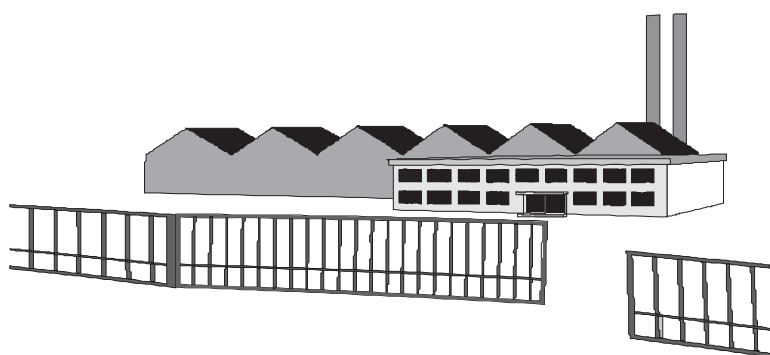
CLASS II – COMMERCIAL/GENERAL ACCESS VEHICULAR GATE OPERATOR

A vehicular gate operator (or system) intended for use in a commercial location or building such as a multifamily housing unit (five or more single family units), hotel, garages, retail store or other building servicing the general public.



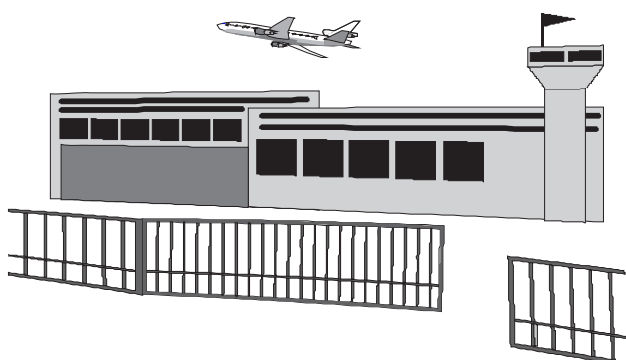
CLASS III - INDUSTRIAL/LIMITED ACCESS VEHICULAR GATE OPERATOR

A vehicular gate operator (or system) intended for use in an industrial location or building such as a factory or loading dock area or other locations not intended to service the general public.



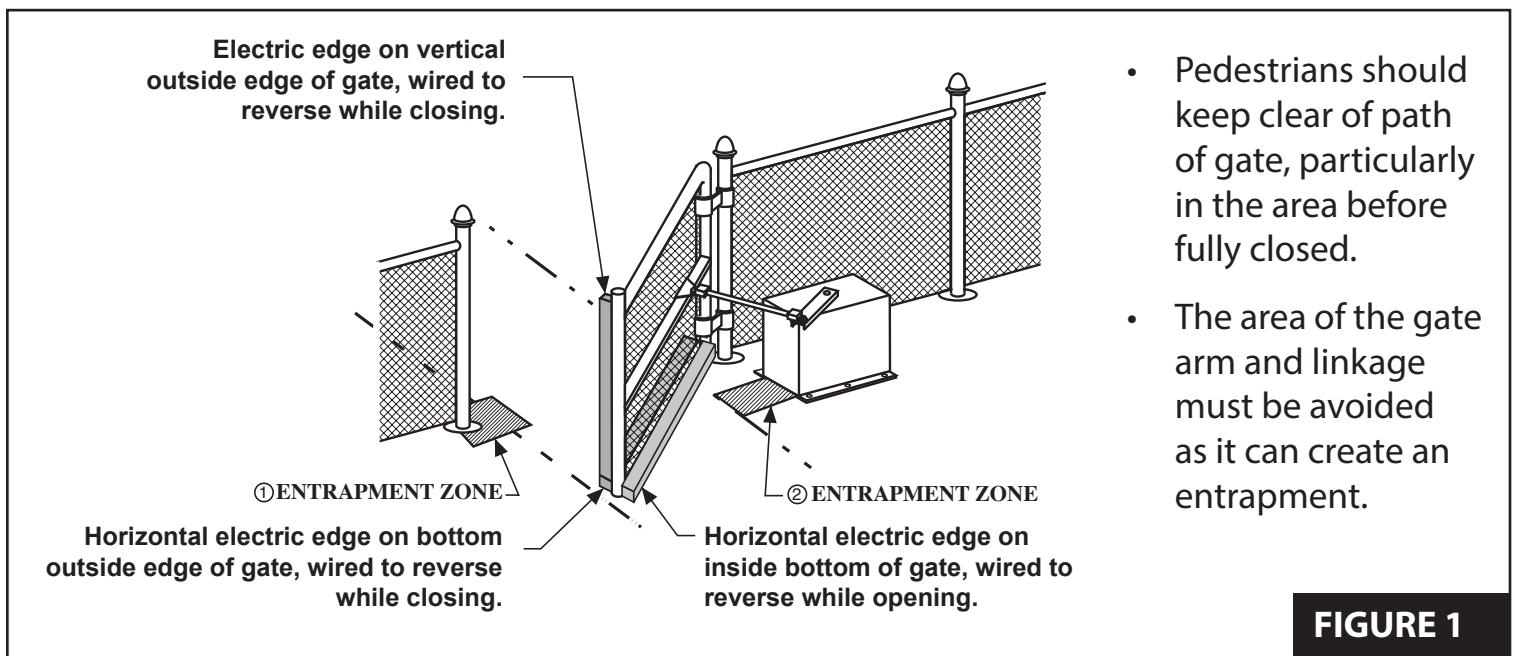
CLASS IV - RESTRICTED ACCESS VEHICULAR GATE OPERATOR

A vehicular gate operator (or system) intended for use in a guarded industrial location or building such as an airport area or other restricted access locations not servicing the general public, in which unauthorized access is prevented via supervision by security personnel.



SYSTEM DESIGNER SAFETY INSTRUCTIONS

1. Familiarize yourself with the precautions and warnings for the installer. Users are relying on your design to provide a safe installation.
2. The operator is supplied with a primary obstruction sensing entrapment protection system. The installation must also have a secondary entrapment protection system installed, such as photoelectric sensors or an electric edge system.
3. When designing a system that will be entered from a highway or main thoroughfare, be sure the system is placed far enough away from the road to eliminate traffic backup. Distance from the road, size of the gate, usage levels, and gate cycle/speed must be considered to eliminate potential traffic hazards.
4. Swing gates have two potential entrapment zones you must avoid. Make sure they are protected as shown in the following diagram (**Figure 1**).

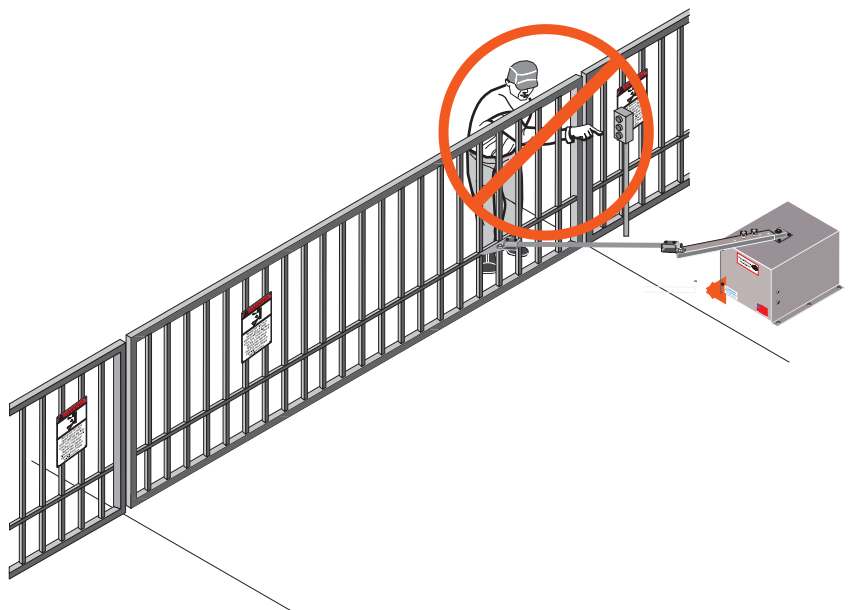


WARNING

THIS GATE SYSTEM IS FOR VEHICULAR TRAFFIC ONLY. A SEPARATE PEDESTRIAN ENTRANCE MUST BE PROVIDED.

The illustrations and descriptive captions provide precautions to help eliminate injuries or fatalities. Familiarize yourself with them when designing the total system.

5. Design the gate system so a person cannot reach over, under, around, or through the gate to operate any controls. Never place controls on the gate operator itself.



INSTALLER SAFETY INSTRUCTIONS

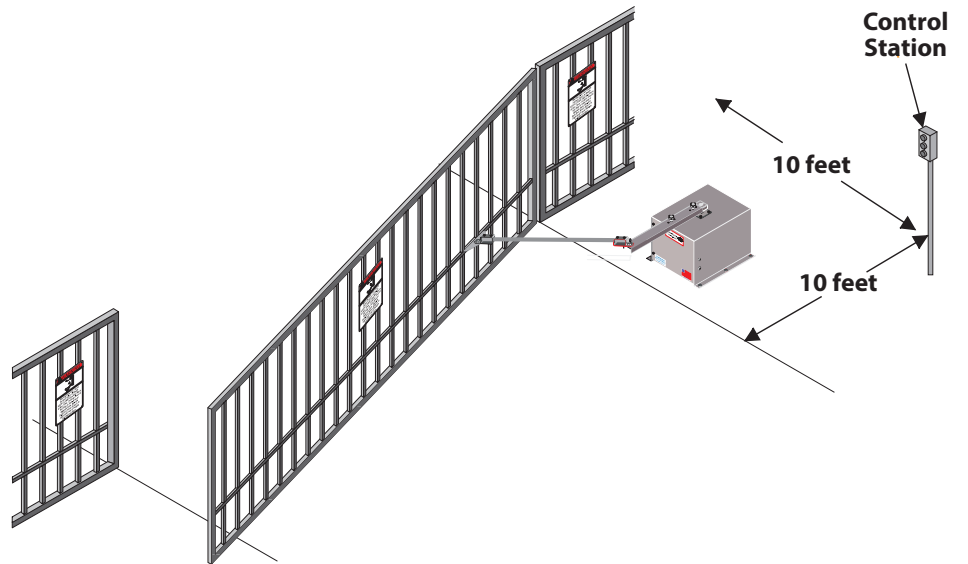
BEFORE INSTALLATION

- ▲ 1. Check to see that the operator is proper for this type and size of gate and its frequency of use. If you are not sure, consult factory.
 - ▲ 2. Check to see that there are no structures adjacent to the area, which may pose a risk of entrapment when gate is opening or closing.
 - ▲ 3. You must ensure that the gate has been properly installed and works freely in both directions. Replace or service any worn or damaged gate hardware prior to installation. A freely moving gate will require less force to operate and enhance the performance of the operator as well as the safety devices used within the system.
 - ▲ 4. Install the gate operator on the inside of the property and/or fence line. **DO NOT** install an operator on the public side of the gate.
 - ▲ 5. Severe injury or death can result from entrapment by a gate. The operator is supplied with an obstruction sensing primary entrapment protection system. Additional safety equipment such as electric edges or photocell sensors must be installed to provide the required secondary entrapment protection system. For assistance in selecting the correct type of safety equipment, consult the factory.
 - ▲ 6. Review the operation of the unit and become familiar with the manual operation procedure and safety features of the system.
 - ▲ 7. You must install a pushbutton control or key switch to allow for normal operation of the gate if the automatic controls do not work. Locate the push button or key switch and small warning placard within sight of the gate in a secured area at least 10 feet or more from any moving parts of the gate or operator.
 - ▲ 8. Outdoor or easily accessed gate controls should be of the security type to prohibit unauthorized use. Please consult your local distributor concerning the types and specifications of available controls.
-

DURING INSTALLATION

- ▲ 1. Be aware of all moving parts and avoid close proximity to any pinch points.
- ▲ 2. Disconnect power at the control panel before making any electric service connections. Connection location for controls and safety equipment can be found on the wiring diagram, and in this manual.
- ▲ 3. Know the procedure for disengaging and manually operating the unit.
- ▲ 4. Adjust the open and close force adjustment on the control board, in each direction, to the minimum force required to operate the gate smoothly. **DO NOT increase the force adjustment setting to make up for rough spots in gate travel - FIX THE GATE INSTEAD!**

- ▲ 5. Locate the controls at least 10 feet from the moving gate so that the user can observe the gate operation, but is not able to come in contact with the gate while operating the controls.



- ▲ 6. Attach large warning signs provided to each side of the gate or fence in the most conspicuous place. Mount control station and smaller warning placard together within sight of the gate opening.

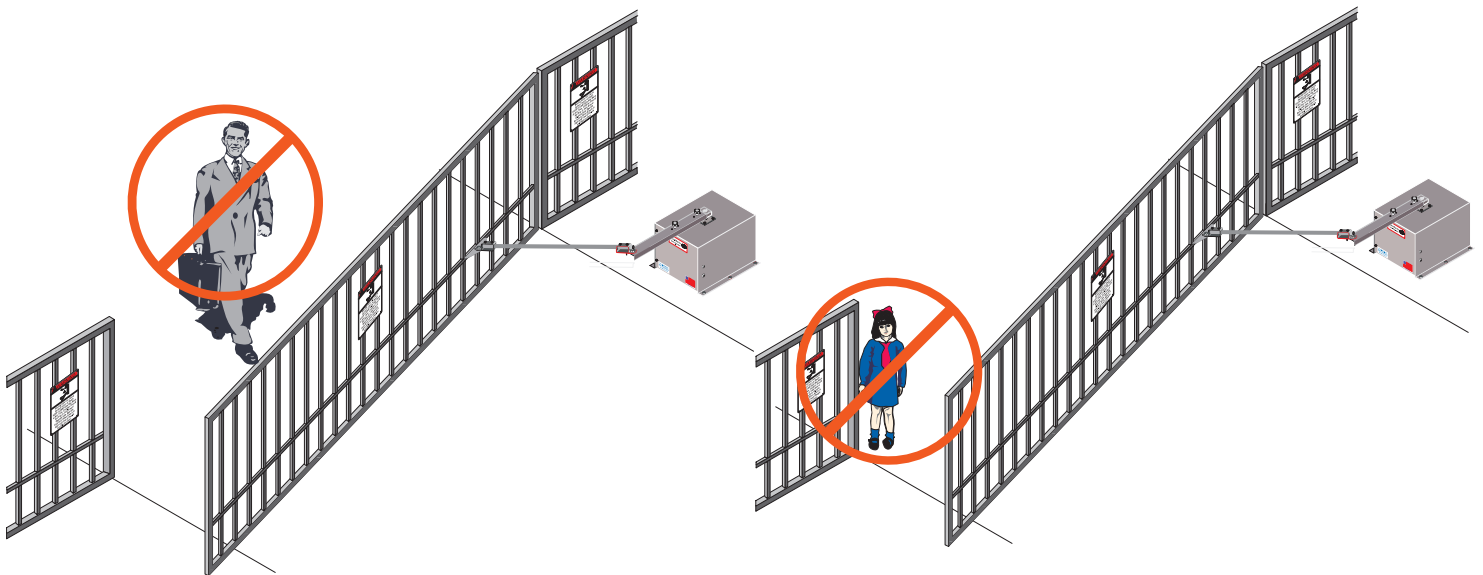
AFTER INSTALLATION

- ▲ You are responsible for ensuring that the end user understands the basic operations and safety systems of the unit, INCLUDING THE MANUAL OPERATION PROCEDURE.
- ▲ Point out that the safety instructions in brochure are the responsibility of the end user, and then **LEAVE THIS MANUAL WITH THE END USER.**

END USER SAFETY WARNINGS

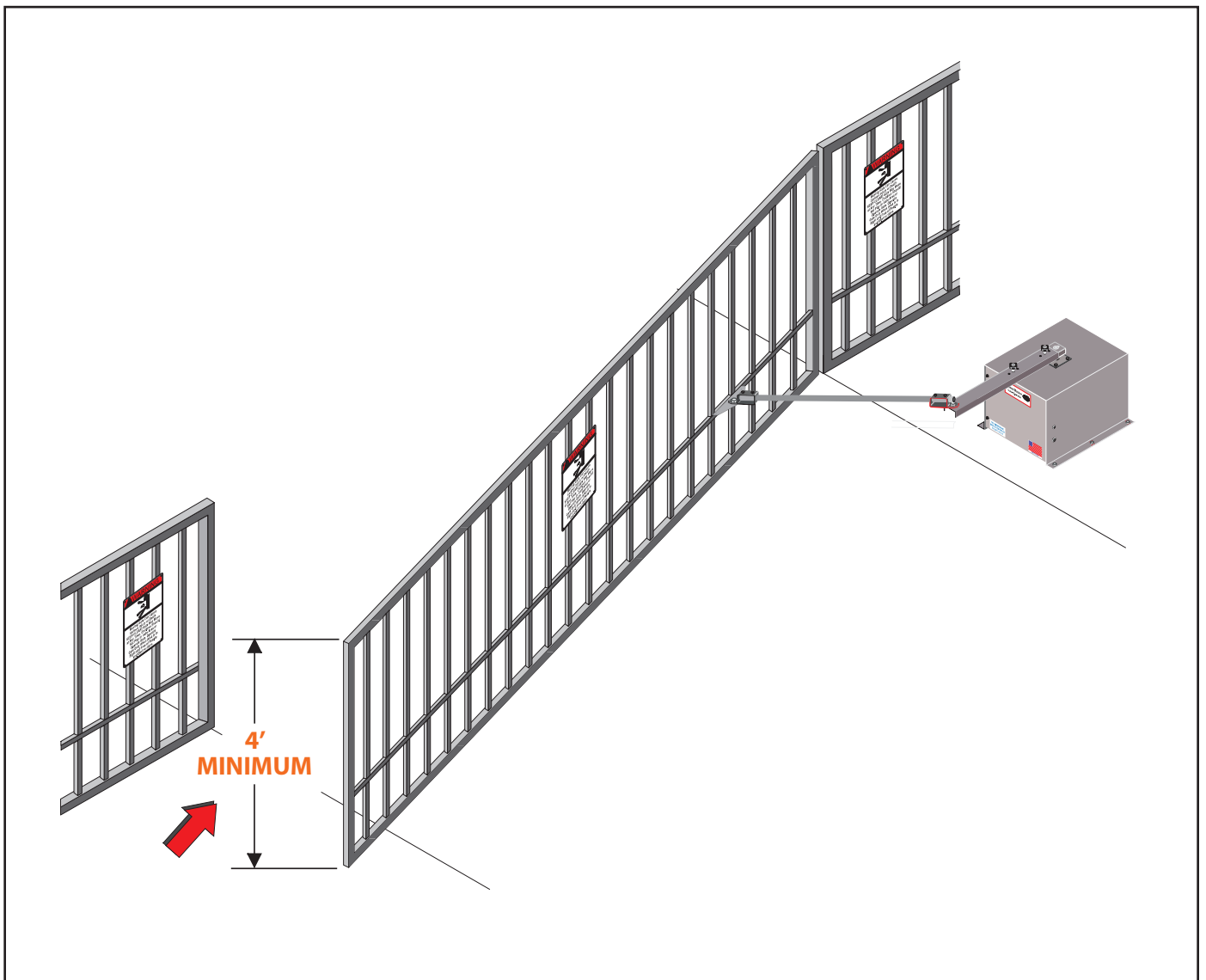
The manufacturer of the gate operator does not know what type of gate you have, or what type of automatic system is installed on your gate. Be sure you've been fully instructed on the sequence of operation for your specific gate system(s). Keep the gate properly maintained and have a qualified service person make repairs.

- ▲ 1. Be sure the following safety instructions are distributed to all persons authorized to use your gate.
- ▲ 2. **KEEP GATEWAY CLEAR (Front and Back) AT ALL TIMES.** Your automatic gate is not for pedestrian use. No one should ever cross the path of the moving gate.
- ▲ 3. **DO NOT** allow children to play near your gate, or to operate the gate.



- ▲ 4. **DO NOT** operate your gate system unless you can see it when the gate moves.
- ▲ 5. Be sure a pushbutton or key switch has been installed for manual electric operation in the event your radio or card key does not work. Any mounted control station should be located a minimum of 10 feet from the gate so the gate cannot be reached through or touched. Any pushbutton located in a building should be installed within sight of the gate.
- ▲ 6. **DO NOT** operate any controls without watching the movement of the gate.
- ▲ 7. Your gate system is required to have a primary and a secondary entrapment safety system installed and maintained.
- ▲ 8. If your gate closes automatically, loop detectors should be installed to detect the presence of a vehicle.

- ▲ 9. DO NOT increase force adjustment to compensate for a damaged gate. The gate should always be maintained to operate manually as easily as possible to provide maximum protection.
- ▲ 10. Check all safety systems at least once per month for the correct force, speed and sensitivity. Gate must reverse when hitting a rigid object, or when a non-contact sensor is activated. If these functions are observed to operate improperly, discontinue use and have it serviced immediately!
- ▲ 11. You are responsible for ensuring that warning signs are installed and maintained on both sides of your gate.
- ▲ 12. To ensure safe operation of this equipment, you must read this safety manual and keep it for reference.
- ▲ 13. Swing gates have two potential entrapment zones you must avoid. Make sure they are protected as shown in **Figure 1**.



INSTALLATION INSTRUCTIONS & SET-UP PROCEDURE



WARNING

DO NOT APPLY POWER UNTIL TOLD TO DO SO! RISK OF ELECTRICAL SHOCK OR INJURY MAY RESULT!

BEFORE INSTALLING OPERATOR

IMPORTANT: Operator should always be mounted inside the gate. Determine whether the installation is Left hand or Right hand by the direction the gate moves in order to open, when viewed from inside the fence.

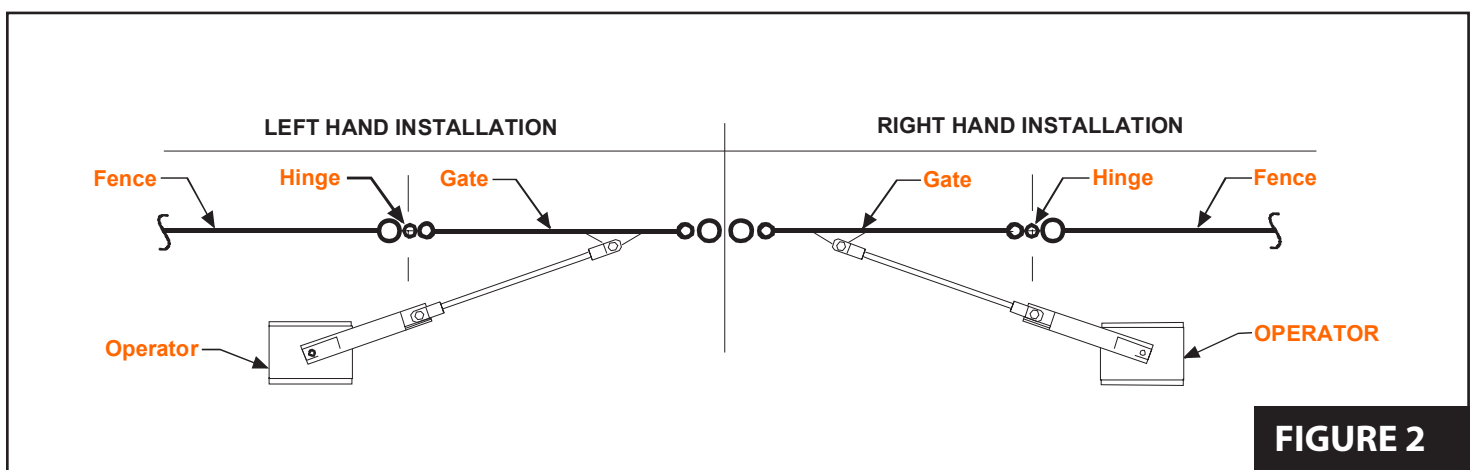
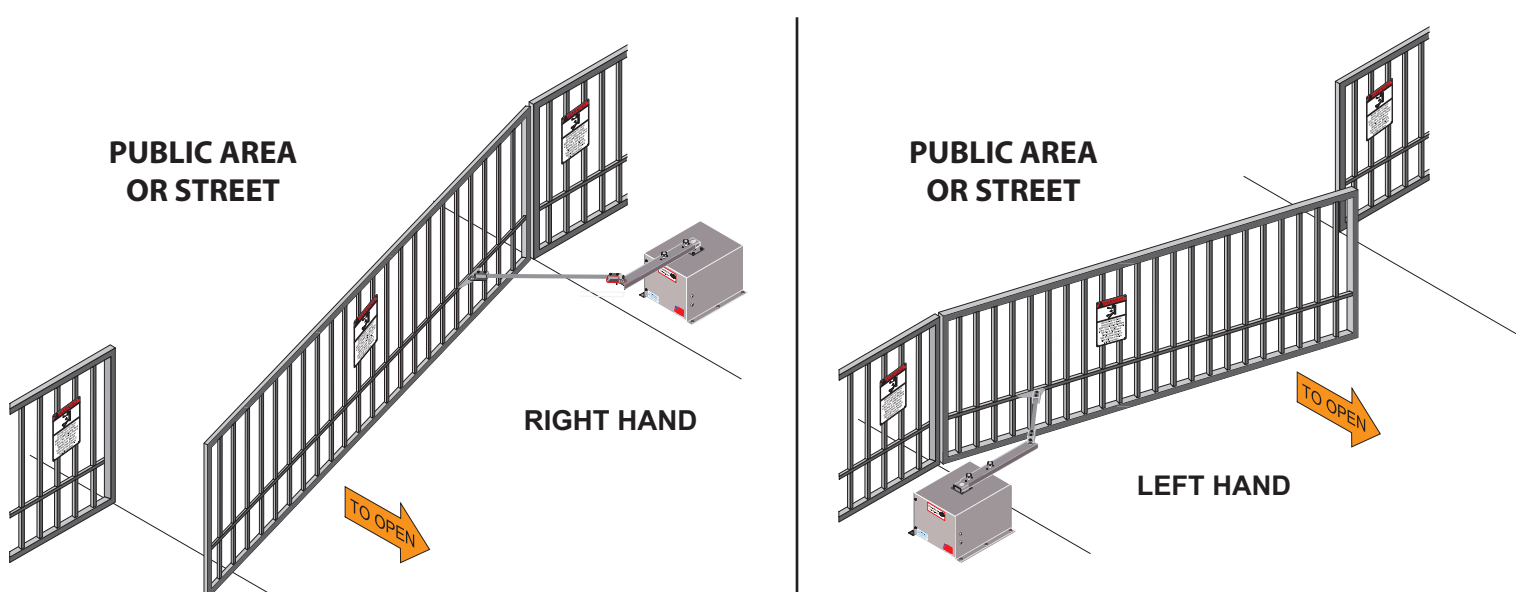


FIGURE 2

1. Gate must swing freely to fully opened and fully closed position.
2. The operator will be located as shown above, for left and right hand installation.



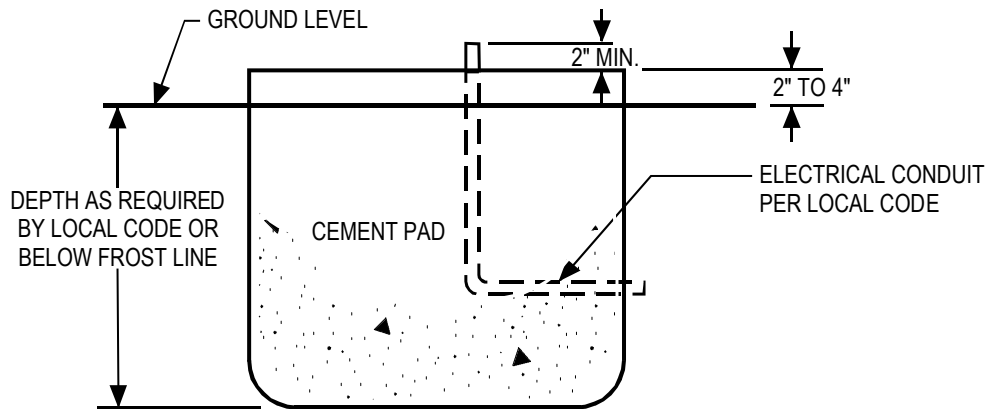
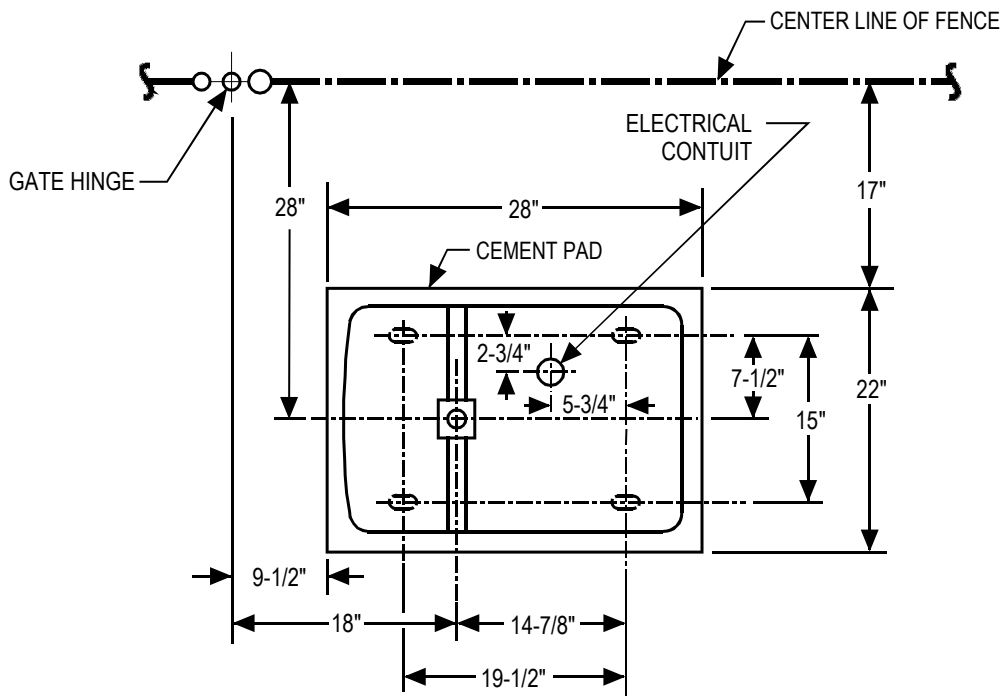
DSW CEMENT PAD LAYOUT

1. Lay out per drawing below.

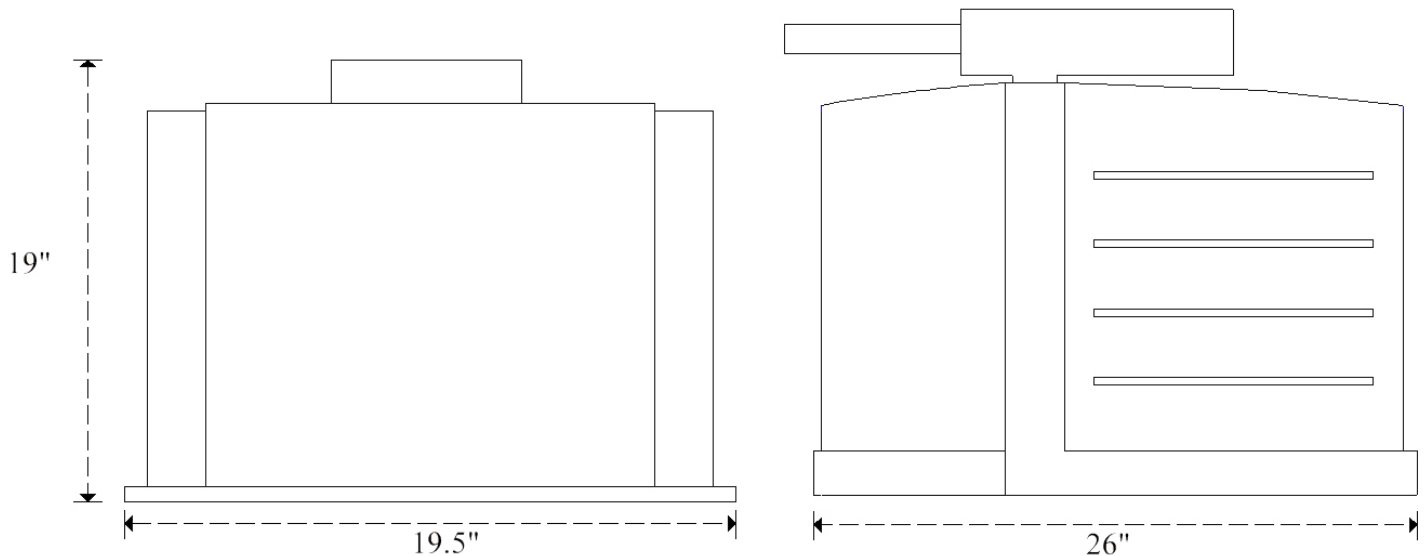
2. Locate electrical conduit and mounting bolts.

Note: Bolt pattern must be parallel to fence line as shown.

3. Pour cement, ensuring top surface is level and allow 2 days cure time before installing operator.

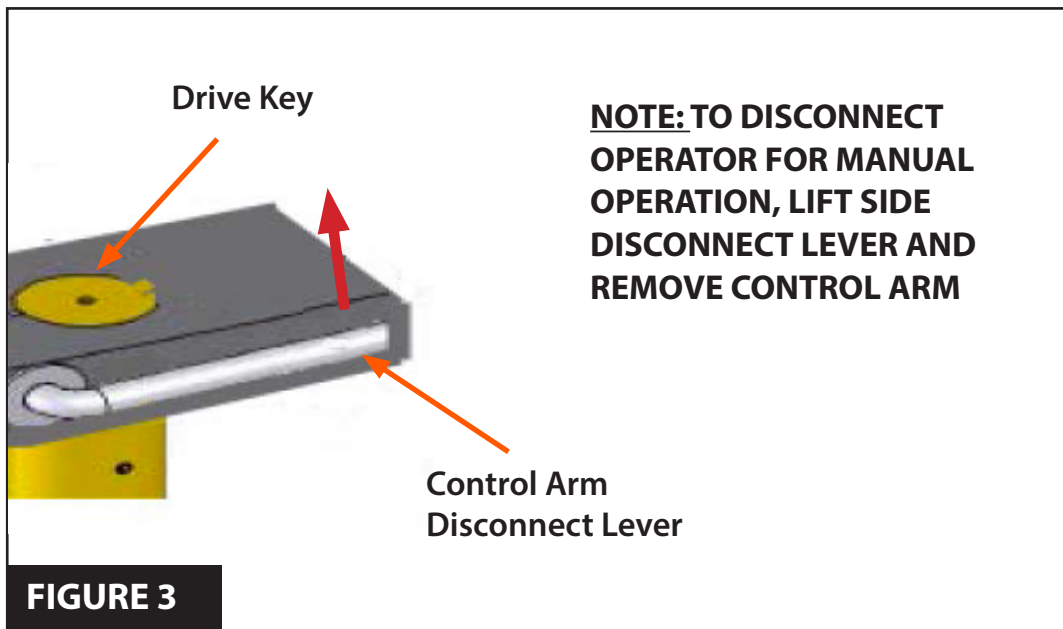


DSW DIMENSIONS

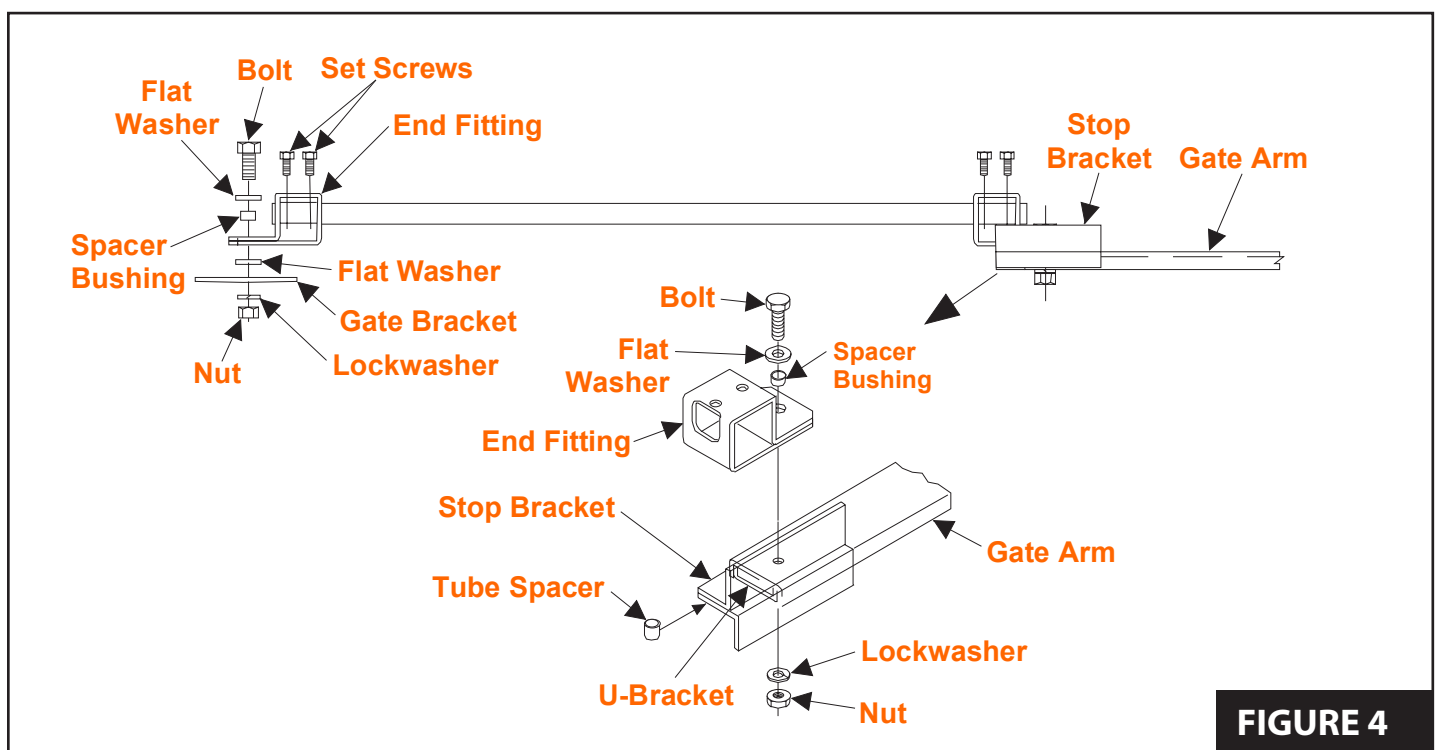


OPERATOR INSTALLATION

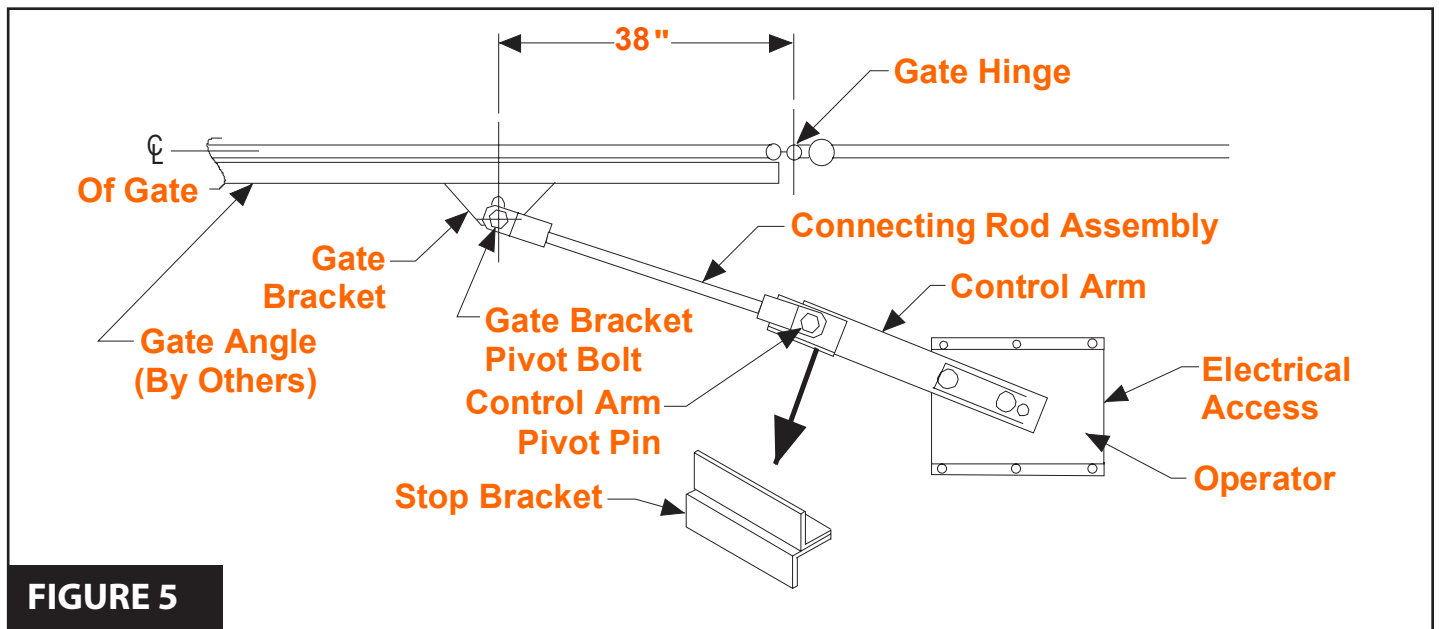
1. Mount operator on cement pad, locating electrical conduit under access hole, and secure position with 1/2 inch hardware.
2. Set control arm on output shaft of operator without drive key, and install control arm extension.



3. Install end fittings on connecting rod and attach assembly to end of control arm extension with stop bracket, as shown below.
4. Install gate bracket on end of connecting rod.



5. Locate gate bracket in position on gate, as shown below, and clamp in position.
6. Move control arm to its maximum close position. Arm assembly should be in locked position against stop bracket.

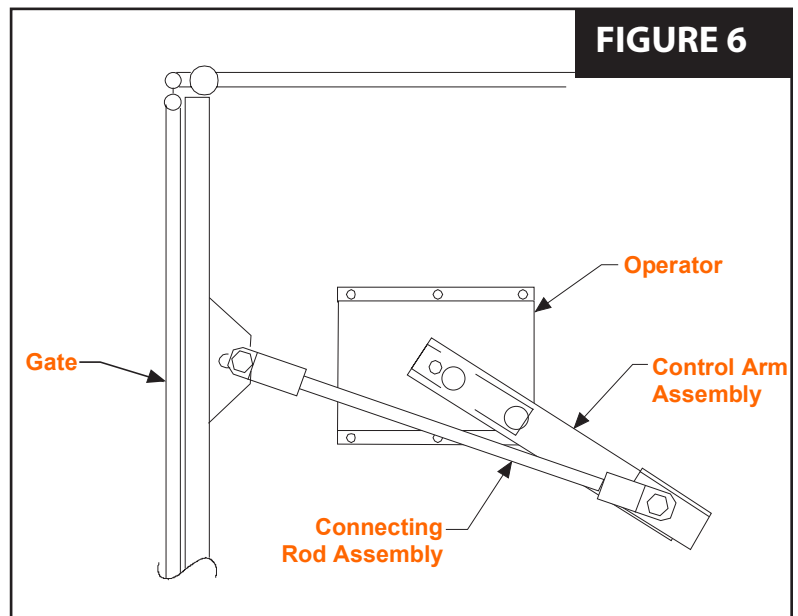


Note: Adjustment can be made by changing the length of the connecting rod only.

7. Move control arm to its open position as seen in **Figure 6**.

Note: Open position of gate may be adjusted slightly with limit switch adjustment, but when finished, open position of control arm assembly should be as close as possible to that shown in **Figure 6**. If mechanical adjustments are made to achieve desired open position of gate, repeat **Steps 6 & 7**, since this will affect the closed position.

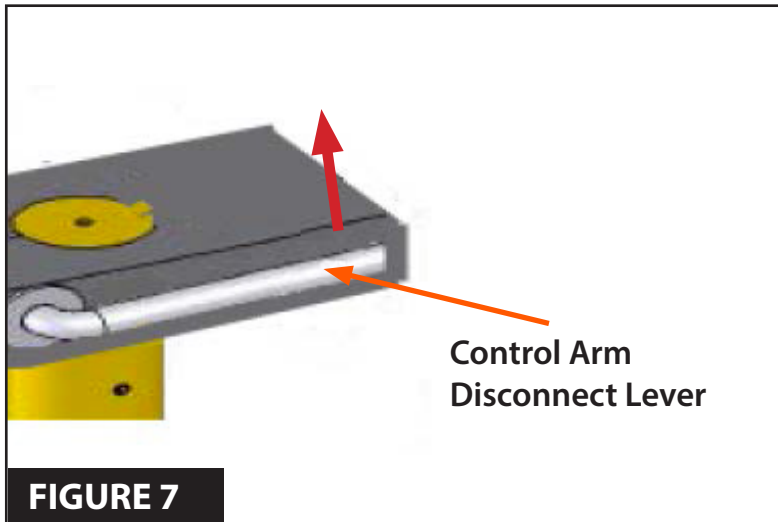
8. When the desired open and closed gate position have been achieved, place gate in the fully closed position and remove control arm extension from control arm. See **Figure 3**.
9. Remove control arm from operator drive shaft.
10. Replace control arm on operator drive shaft with drive key and tighten control arm disconnect lever.
11. Replace control arm extension on control arm.



MANUAL OPERATION

Disconnect operator control linkage in order to manually operate the gate as follows:

1. Unscrew and remove hand knob to remove plastic top arm cover.
2. Lift control arm disconnect lever to release arm. Lift arm off of operator drive shaft.
3. Fold control arm and linkage against gate.
4. Manually open and close gate as required.



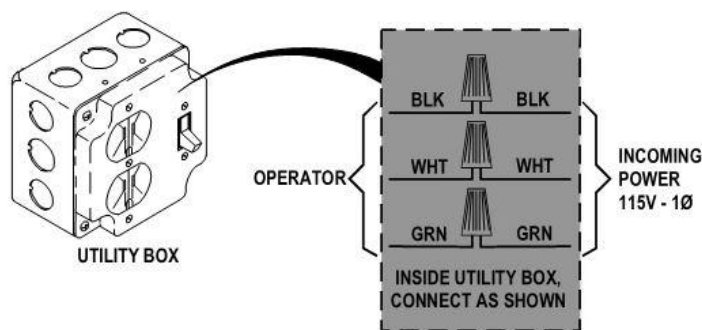
ELECTRICAL SET-UP AND CONNECTIONS

 WARNING	DO NOT APPLY POWER UNTIL TOLD TO DO SO! RISK OF ELECTRICAL SHOCK OR INJURY MAY RESULT!
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CONNECTION OF INCOMING POWER

NOTE: Before connecting the operator to an incoming power supply, use a voltmeter to determine that the electrical service is the same as that on the operator label. If the operator is connected to an incorrect power supply, damage will result, which is NOT covered by warranty.

1. Be sure the power switches at source, and at the operator are **OFF**.
2. In the diagram below, find the supply power that matches your installation and connect as shown.



NOTE: Wiring to operator must use watertight materials in accordance with local electric code. See the following wire gauge/distance charts for proper sizing. Master/Slave installations should have SEPARATE power supply wiring or length of wire runs should be figured at half that shown on the chart. This unit must be grounded in accordance with N.E.C. and local codes.

LOW VOLTAGE WIRE GAUGE/ DISTANCE CHART	
24 AWG: UP TO 150'	
20 AWG: 150' - 200'	
18 AWG: 250' - 1,500'	
Control wiring should be run as twisted pairs. DO NOT run control wires in the same conduit as power wires, telephone wires, or loop detector leads.	

LINE VOLTAGE	HP	WIRE GAUGE			
		18 AWG	16 AWG	14 AWG	12 AWG
115V 220-230V	1/2	150/350	250/400	450/600	650/1000

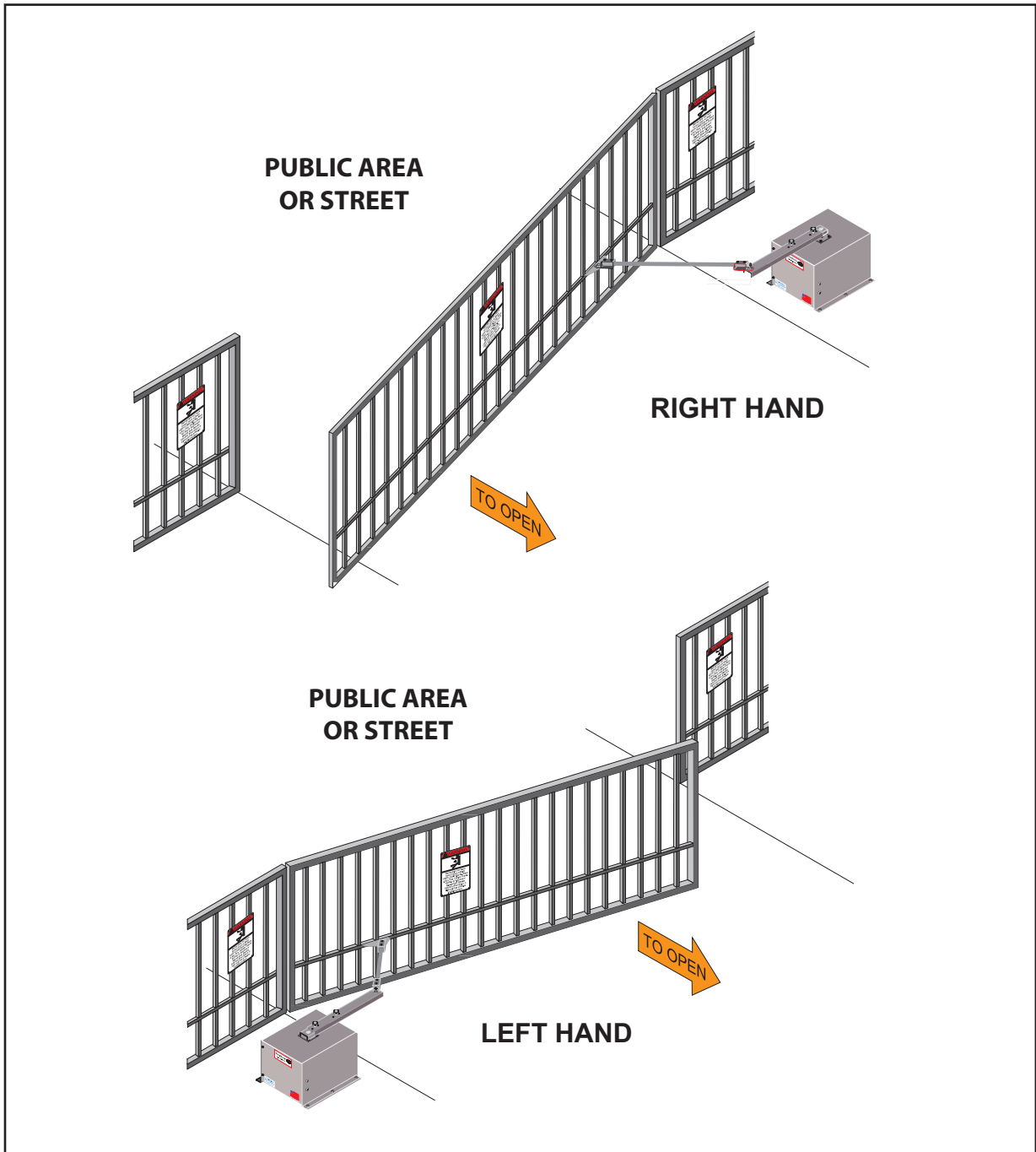
NOTE: 208VAC Operation will require a boost transformer (208-240VAC)

INSTALLATION OPTIONS

LEFT/RIGHT HAND CONVERSION:

Determine the hand of the operator required for this installation by checking the direction the gate moves in order to open, when viewed from inside the fence. Swings RIGHT to open is a right hand installation; swings LEFT to open is a left hand installation.

NOTE: TO CHANGE HANDS OF OPERATION, PLEASE REFER TO THE POWERMASTER CONTROL BOARD PROGRAMMING MANUAL.



LIMIT ADJUSTMENT PROCEDURE



WARNING

READ ENTIRE PROCEDURE BEFORE STARTING. TURN OFF MAIN POWER BEFORE MAKING ANY ADJUSTMENTS!



WARNING

STAY CLEAR OF ALL MOVING PARTS AND ELECTRICAL COMPONENTS OF THE OPERATOR WHILE TESTING!

NOTE: Operator should be completely installed, mechanically and electrically, before attempting to set limit switch cams.

NOTE: For Master/Slave installation, travel time for the master operator must be set longer than the slave operator.

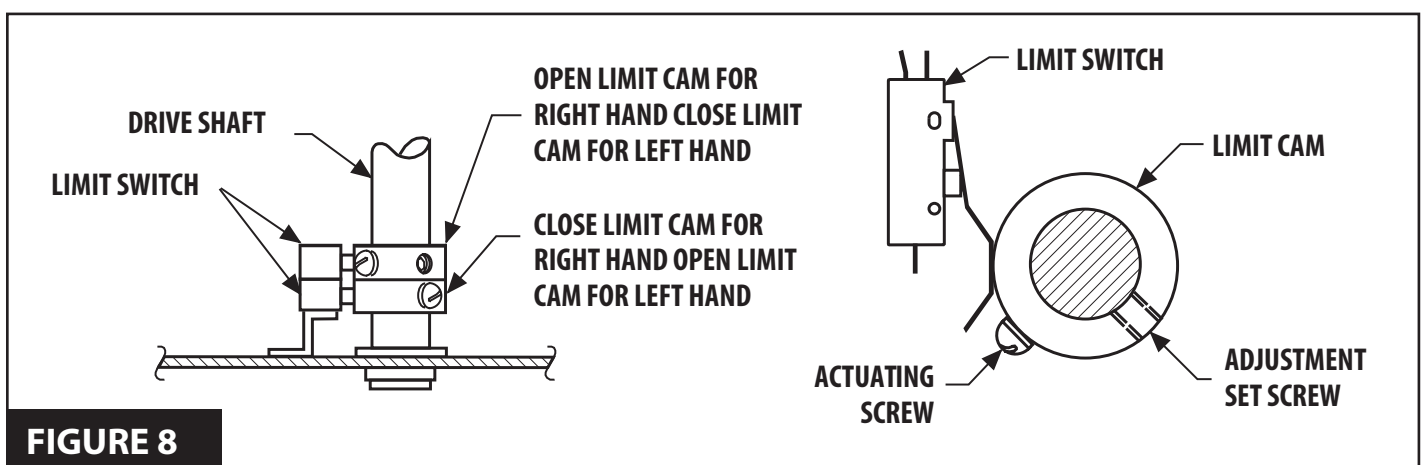
OPEN LIMIT SWITCH ADJUSTMENT

1. Turn on power. Press open button on control station. Gate should stop before full open position is reached. If gate does not stop when open position is reached, **PRESS STOP BUTTON!**
2. To adjust gate for more open travel, loosen **Open Limit Cam Set Screw** and rotate limit cam in the opposite direction drive shaft rotates to open gate. Re-tighten set screw after adjustment.
3. If it was necessary to stop gate, adjust **Open Limit Switch Cam** for less open travel by rotating the cam in the same direction that the drive shaft rotates to open the gate.
4. Press **CLOSE** button and stop gate in mid travel with **STOP** button.
5. Repeat procedure until desired open setting is obtained.

CLOSE LIMIT SWITCH ADJUSTMENT

1. Press **CLOSE** button on control station. Gate should stop before full closed position is reached. If gate does not stop when close position is reached, **PRESS STOP BUTTON!**
2. To adjust gate for more close travel, loosen **Close Limit Cam Set Screw** and rotate limit cam in the opposite direction drive shaft rotates to close gate.
3. If it is necessary to stop gate, adjust **Close Limit Switch Cam** for less close travel by rotating the cam in the same direction that the drive shaft rotates to close the gate.
4. Press **OPEN** button and stop gate in mid travel with **STOP** button. Repeat procedure until desired close setting is obtained.

NOTE: After both **OPEN** and **CLOSE** limit adjustments are complete, check that both limit cam set screws are tight.

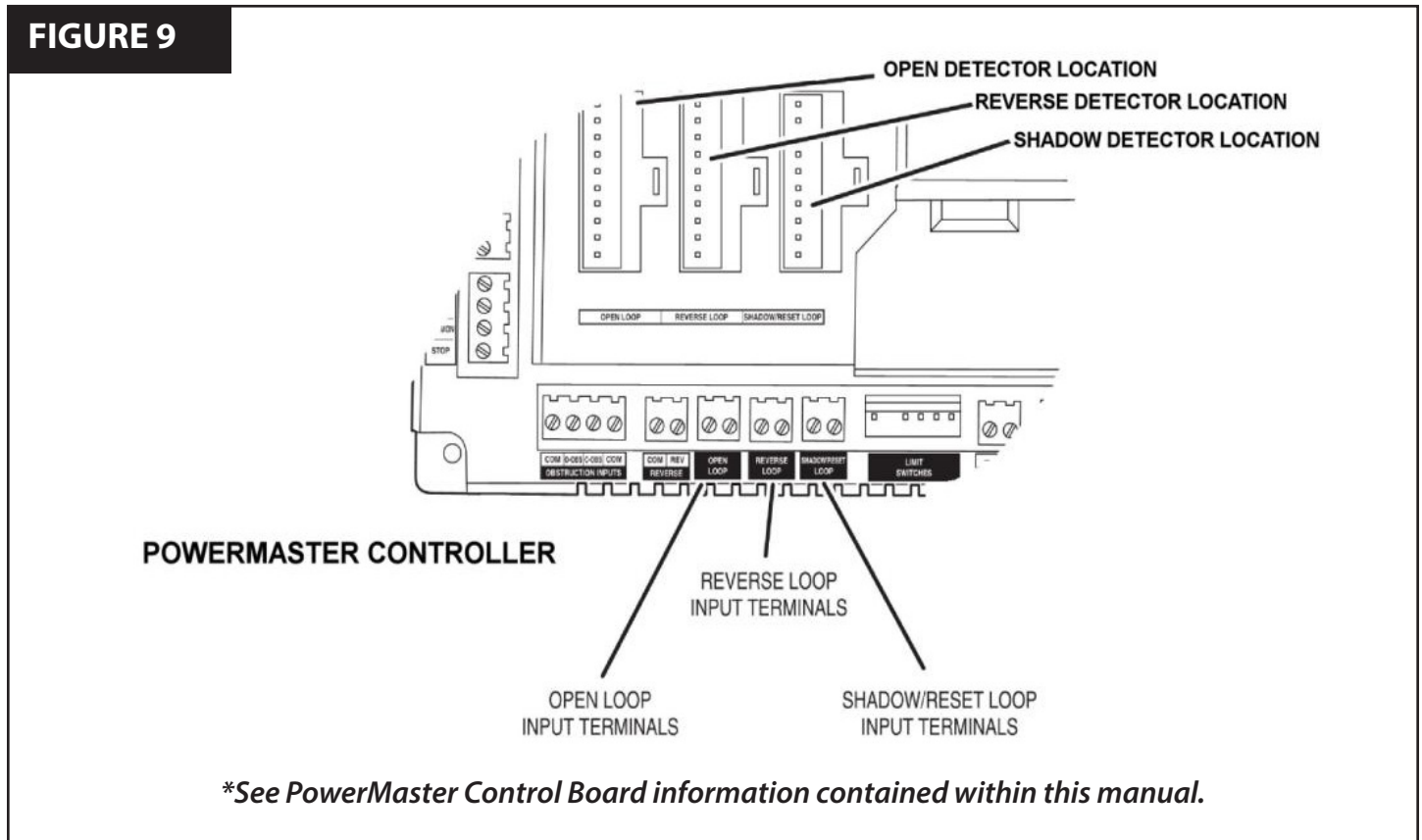


ACCESSORY CONNECTIONS

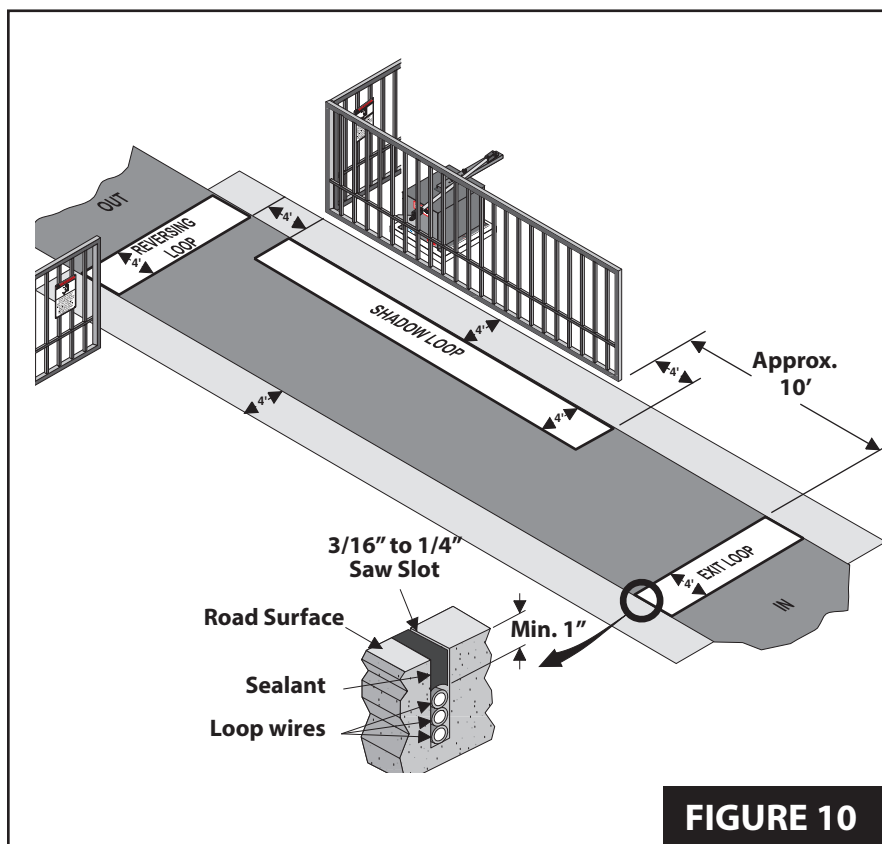
LOOP DETECTOR SYSTEMS AND INSTALLATION

Figure 10 depicts the typical loop options for a Swing Gate installation.

1. The **Exit Loop** provides a signal to open the gate when a vehicle enters the loop zone.
2. The **Reversing Loop** protects a vehicle in the loop zone from being contacted with the gate by overriding any close signal while the gate is open, and by reversing the gate if closing.
3. The **Shadow Loop** protects a vehicle in the loop zone from being contacted with the gate by overriding any close signal while the gate is in full open position.



LOOP INSTALLATION



1. Lay out the desired loop locations per the diagram. The standard size chart below will give an approximate length of wire required for various loop dimensions and number of turns required. The length of the lead in wires should be added to this amount to get the total amount of wire required for the installation.

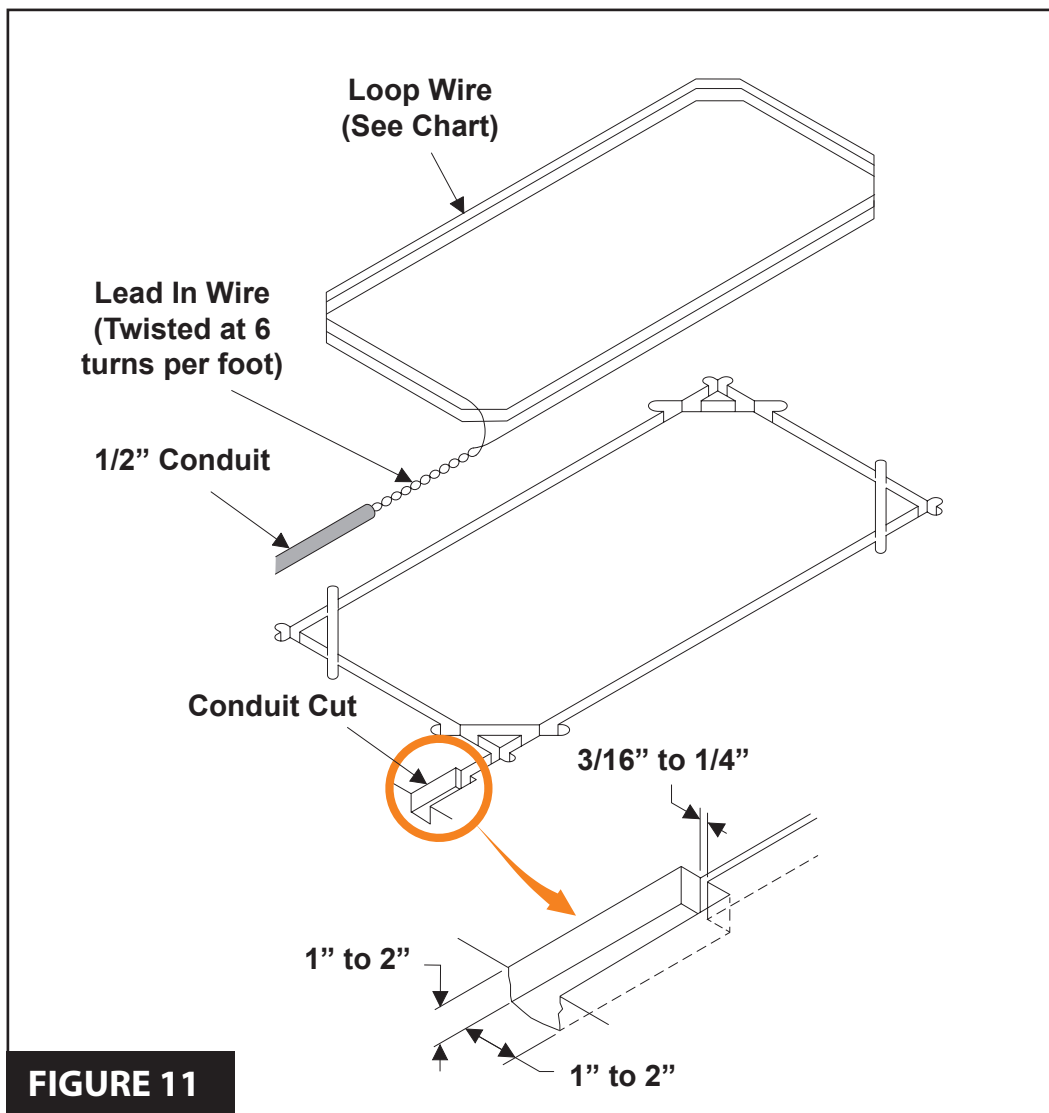
CAUTION: The loop wires and lead-in wires must be a continuous piece of wire without splices. Only use wire intended for this type of application (Type XHHW insulation 16AWG).

NOTE: Buried steel from drains or other systems may affect functioning of the loop system. Check with the factory for advice on any special installations. Call 1-800-243-4476.

2. Cut the required groove at the locations laid out according to the diagram below (**Figure 11**).
3. Leaving enough wire for the lead-in, insert the specified number of turns of wire in the cut grooves (see chart).

CAUTION: Be careful not to damage the wire insulation during installation.

4. After completing the required number of loop turns, twist the ends together at the rate of 6 turns per foot to form the lead-in.
5. Seal the lead-in wire in the conduit to prevent moisture seepage into the conduit.
6. Fill over the loop wires in the groove with a recommended loop sealant. Contact your distributor for available sealants.
7. Mount the loop detector in the operator and connect the wire loop.



**STANDARD LOOP LAYOUTS
FOR APPROX. 36" HEIGHT DETECTION**

LOOP SIZE	# OF TURNS	LOOP WIRE LENGTH (FT)
4' X 4'	4	64'
4' X 6'	4	80'
4' X 8'	3	72'
4' X 10'	3	84'
4' X 12'	3	96'
4' X 14'	3	108'
4' X 16'	3	120'
4' X 18'	3	132'
4' X 20'	3	144'
4' X 22'	3	156'
4' X 24'	3	168'
4' X 26'	3	180'
4' X 28'	3	192'
4' X 30'	2	136'
4' X 32'	2	144'
4' X 34'	2	152'
4' X 36'	2	160'
4' X 38'	2	168'
4' X 40'	2	176'

SAFETY DEVICE CONNECTIONS


INHERENT OBSTRUCTION SENSING DEVICE

NOTE: The gate MUST move smoothly and easily in manual operation before attempting this adjustment.

This unit is supplied with a current sending system, which will stop the gate when it encounters an obstruction, and then backs the gate off approximately 2 inches. If the gate is started again and a second encounter occurs before hitting a limit switch, the gate will stop and sound a warning signal. A constant pressure control will then be needed to start the gate.

This sensing system has sensitivity adjustments located in the programming section of the main board. These adjustments are set at the factory to handle the requirements of most installations. The force required to activate the system may be adjusted in both **OPEN** and **CLOSE** directions separately. For heavy gates, increase the force setting until it is just over what is required to move the gate smoothly without any nuisance tripping.

	WARNING
TURN OFF POWER TO OPERATOR WHEN MAKING ANY ADJUSTMENTS!	

	WARNING
NEVER INCREASE FORCE SETTING TO MAKE UP FOR A GATE THAT IS NOT MAINTAINED PROPERLY. THIS WILL DESENSITIZE THE OPERATION OF THE SAFETY SYSTEM.	

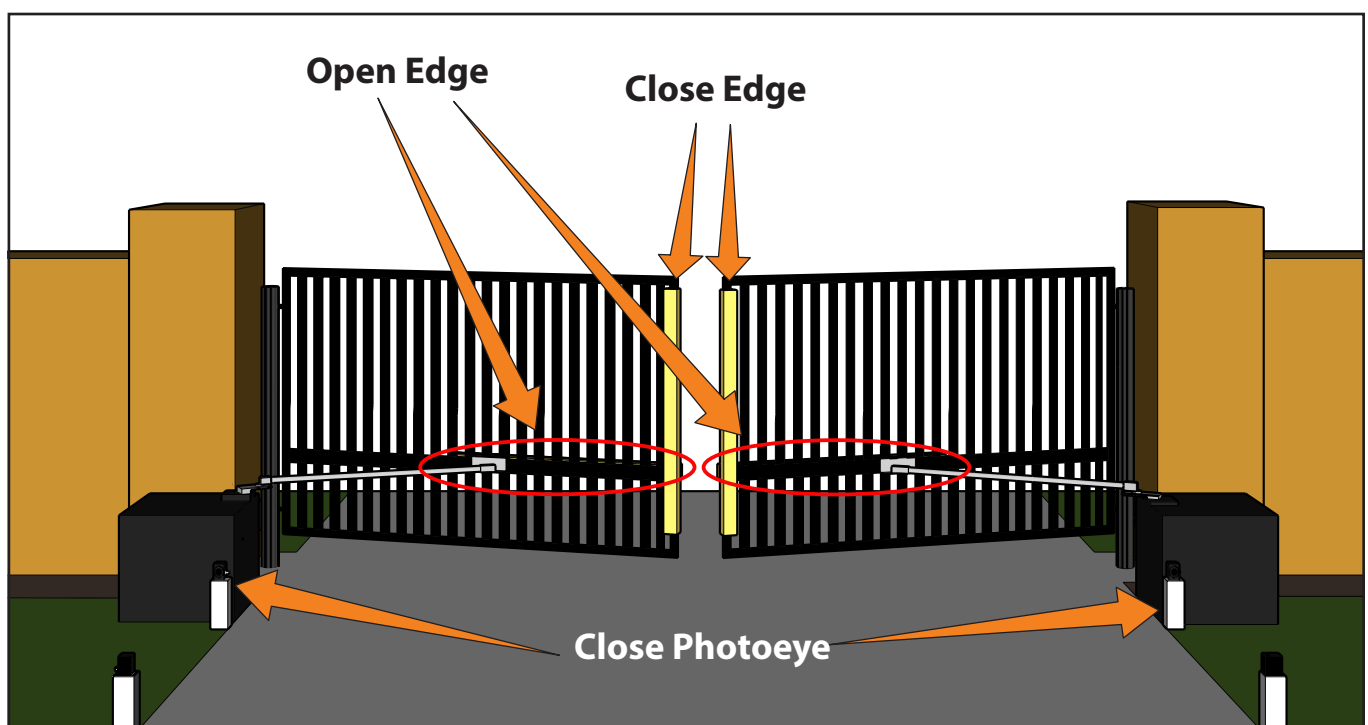
NOTE: If motor soft start and soft stop times are changed, you will have to reset the motor current settings for both open and close directions.

SECONDARY OBSTRUCTION SENSING DEVICES

Another sensing device (either a contact or a non-contact system) must be installed and connected to this unit to increase protection against entrapment per UL requirements.

NOTE: All safety device contacts must be NORMALLY OPEN.

NOTE: 24 VAC power is available at marked terminals for devices that may require it (e.g. photo eyes, loop detectors, radio controls, etc.).



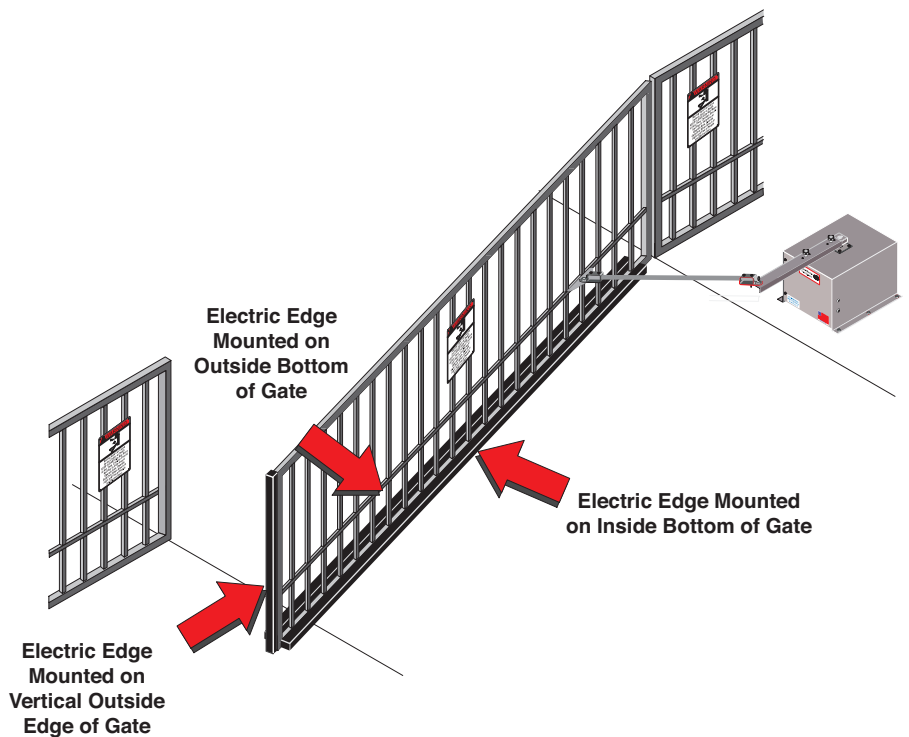
CONTACT SENSOR INSTALLATION

NOTE: Wireless sensors must be installed so there is no signal interference.

NOTE: All hard wiring to safety edges must be installed so there is no threat of mechanical damage to wiring between components when the gate is moving.

1. Install electric edge sensors in locations shown.

NOTE: A separate pedestrian gate must be installed if there is no other entry access but the vehicular gate.



2. Connect contact sensor edges to the control board as shown in **Figure 12** below.

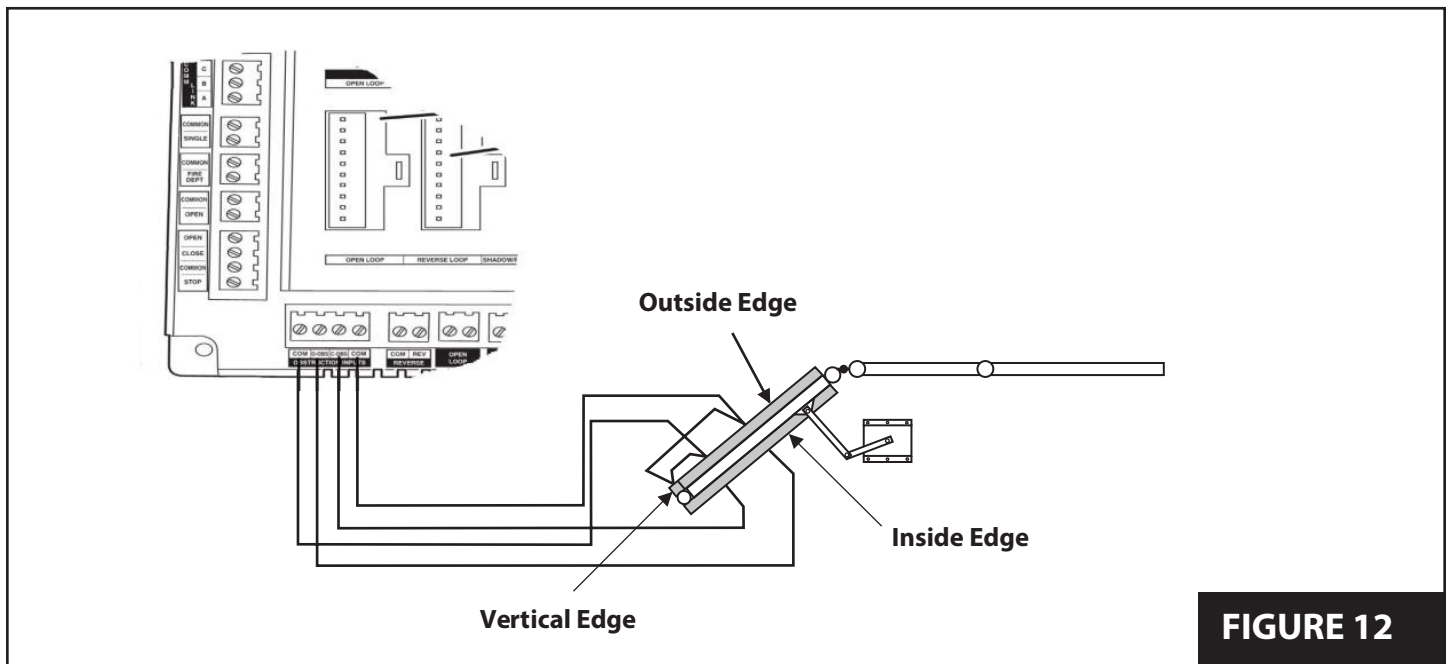


FIGURE 12

3. After sensors are mounted and electrically connected, turn on the power.
4. Test the **CLOSE OBSTRUCTION SENSING SYSTEM** for proper operation by depressing the outside edge sensing strip while the operator is running closed.

NOTE: The operator should **STOP AND REVERSE** a short distance and then **STOP**.

5. Run the operator to the **OPEN** limit and repeat **Step #4** for the vertical edge.
6. Run the operator to the **CLOSE** limit.
7. Test the **OPEN OBSTRUCTION SENSING SYSTEM** by depressing the inside edge sensor while the gate is opening.

NOTE: The operator should repeat the **STOP AND REVERSE** procedure.

NOTE: If an edge is activated twice, or a second edge is activated before a limit is hit (full open or close), the operator will stop and sound a warning horn. To reactivate system, turn operator power switch **OFF** then **ON**.

NON-CONTACT SENSOR INSTALLATION

1. Install photoelectric cell as close to **FULL OPEN** and **FULL CLOSED** position of gate as possible.
2. Photocells should be installed across the gate opening and behind the gate at least 10 inches above ground (see image).

NOTE: A separate pedestrian gate must be installed if there is no other entry access but the vehicular gate.

3. Connect NON-CONTACT sensors to the control board as shown in **Figure 13**.

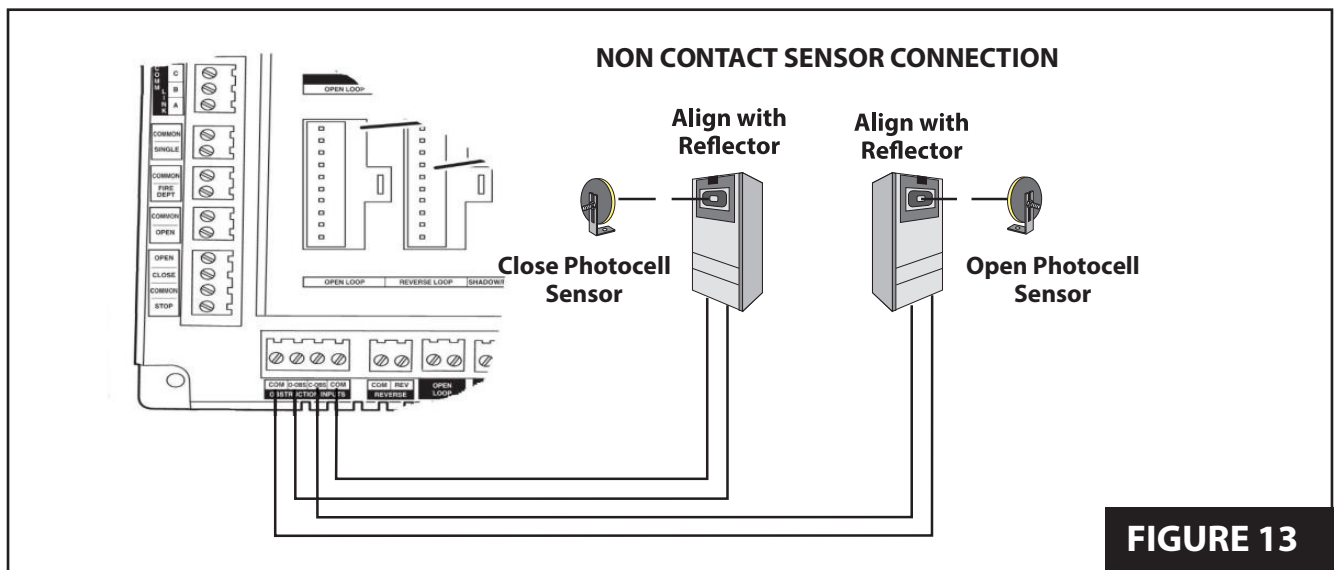
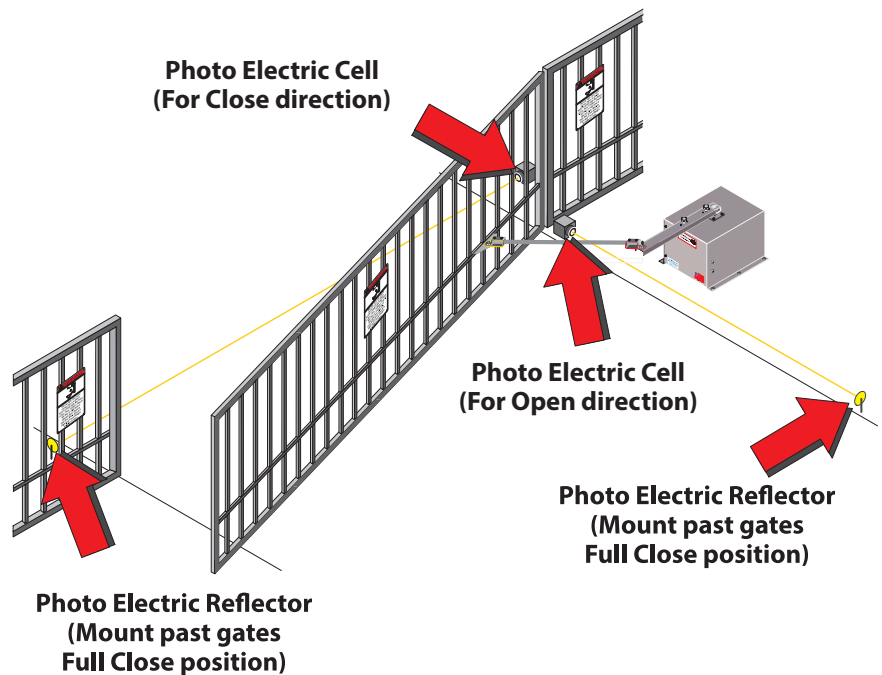


FIGURE 13

AFTER SENSORS ARE CONNECTED

1. Turn **ON** power.
2. Make sure the photo-beams are properly aligned per the manufacturer's specifications.
3. Test the **CLOSE** obstruction sensing system for proper operation by blocking the beam across the gate opening while the gate is running closed.

NOTE: The gate should **STOP AND REVERSE** a short distance and then **STOP**.

4. Run operator to **CLOSE** limit.
5. Test the **OPEN OBSTRUCTION SENSING SYSTEM** by blocking the beam mounted at the back area of the gate while the gate is running open.

NOTE: The operator should repeat the **STOP AND REVERSE** procedure.

MAINTENANCE SUGGESTIONS

The Reducer is completely sealed and should not require lubrication. Periodically check drive belt and all hardware (nuts, bolts, screws, etc) for tightness.

PowerMaster

Limited 5-Year Warranty

PowerMaster warrants all GATE OPERATORS (Swing, Slide, Barrier categories) to be free of defects in materials and workmanship for a period of five (5) years from date of manufacture, provided that product has been registered. A one year warranty applies if product has not been registered.

ELECTRICAL PARTS (including boards, switches, relays, etc):

PowerMaster warrants electrical parts for a two (2) year period, provided that product has been registered. A one year warranty applies if product has not been registered.

If any part is found to be defective during this period, new parts will be furnished free of charge. Failure of this product due to misuse, improper installation, alterations, vandalism, acts of God, or lack of maintenance is **not** covered under this warranty, and voids any other implied warranties herein.

PowerMaster is **not responsible** for any labor charges incurred in connection with the installation of warranted parts.

In order to activate this warranty, the registration form found with your operator **MUST BE COMPLETED AND RETURNED WITHIN THIRTY CALENDAR DAYS FROM DATE OF PURCHASE**. Visit our website at www.PowerMasterNY.com and click on the **Register your Product** link.

You can also register via email to PMtech@PowerMasterNY.com.

If registration is not activated, a **ONE YEAR** warranty from date of manufacture will apply for all claims.

REGISTRATION INFORMATION

Operator Information

Model DSW _____

Serial # _____

Date Installed _____

Location Installed

Address _____

Address _____

Address _____

Installer's Information

Company Name _____

Address _____

Address 2 _____

City, State, Zip _____

Telephone # _____

Contact Name _____

The end user should retain this information for their records and to obtain warranty service.

Need Technical Support?

Visit: www.PowerMasterNY.com/faqs

Call us toll free @ 1-800-243-4476

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The logo for PowerMaster, featuring the word 'power' in a lowercase, outlined font where the 'o' is a gear, and 'master' in a bold, lowercase sans-serif font. Below it, the text 'MANUFACTURED BY V.E. POWER DOOR CO, INC.' is written in a smaller, all-caps sans-serif font.
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