

CM-712

Column Mount Unit

INSTALLATION INSTRUCTION & OWNER'S MANUAL



PLATINUM ACCESS SYSTEMS™

CM-712

Vehicular Gate Operator

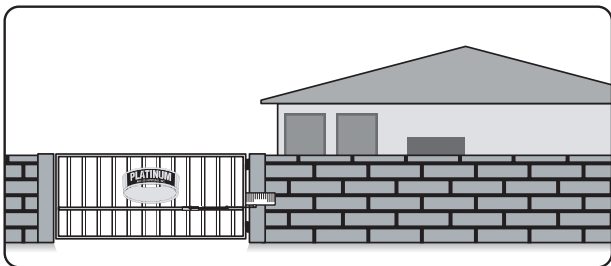
Class I, Class II, Class III, and Class IV

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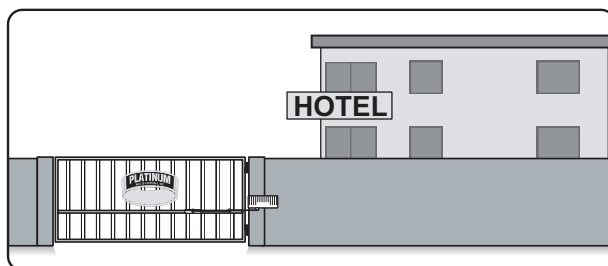
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READ AND FOLLOW ALL INSTRUCTIONS MANUAL BEFORE ATTEMPTING ANY INSTALLATION**RESIDENTIAL VEHICULAR GATE OPERATOR CLASS I**

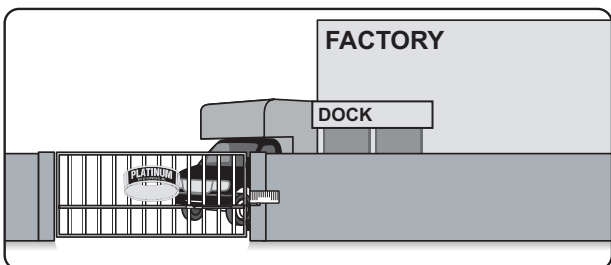
A vehicular gate operator (or system) intended for use in a home of one-to four single family dwelling, or a garage or parking area associated therewith.

**COMMERCIAL/GENERAL ACCESS VEHICULAR GATE OPERATOR CLASS II**

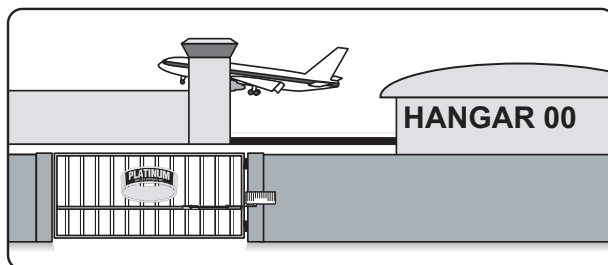
A vehicular gate operator (or system) intended for use in a commercial location or building such a multi-family housing unit (five or more single family units), hotel, garages, retail store, or other building servicing the general public.

**INDUSTRIAL/LIMITED ACCESS VEHICULAR GATE OPERATOR CLASS III**

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.

**RESTRICTED ACCESS VEHICULAR GATE OPERATOR CLASS IV**

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



Usage Class	Gate Operator Category			
	Horizontal Slide, Vertical Lift, and Vertical Pivot		Swing and Vertical Barrier (Arm)	
	Primary type*	Secondary Type*	Primary Type*	Secondary Type*
Vehicular I and II Vehicular III Vehicular IV	A A, B1, or B2 A, B1, B2, or D	B1, B2, or D A, B1, B2, D, or E A, B1, B2, D, or E	A, or C A, B1, B2, or C A, B1, B2, C, or D	B1, B2, C, or D A, B1, B2, C, D, or E A, B1, B2, C, D, or D

Note - The same type of device shall not be utilized for both the primary and the secondary entrapment protection means. Use of a single device to cover both the opening and closing directions is in accordance with the requirement; however, a single device is not required to cover both directions. A combination of one Type B1 for one direction and one Type B2 for the other direction is the equivalent of one device for the purpose of complying with the requirements of either the primary or secondary entrapment protection areas.

^a Entrapment Protection Types:

Type A: Inherent entrapment protection system.

Type B1: Provision for connection of, supplied with, a non-contact sensor (photoelectric sensor or the equivalent).

Type B2: Provision for connection of, or supplied with, a contact sensor (edge device or the equivalent)

Type C: Inherent adjustable clutch or pressure relief device.

Type D: Provision for connection of, or supplied with, an actuating device requiring continuous pressure to maintain opening or closing motion of the gate.

Type E: An audio alarm.

THE MODEL CM-712 IS INTENDED FOR CLASS I AND CLASS II (RESIDENTIAL/LIGHT COMMERCIAL) UP TO 10 UNITS USAGE ON A VEHICULAR SWING GATE APPLICATION.

- a) Install the gate operator only when:
 - 1) The operator is appropriate for the construction of the gate and the usage Class of the gate,
 - 2) All exposed pinch points are eliminated or guarded.
- b) The operator is intended for installation only on gates used for vehicles. Pedestrians must be supplied with a separate access opening. The pedestrian access opening shall be designed to promote pedestrian usage. Locate the gate such that persons will not come in contact with the vehicular gate during the entire path of travel of the vehicular gate.
- c) The gate must be installed in a location so that enough clearance is supplied between the gate and adjacent structures when opening and closing to reduce the risk of entrapment. Swinging gates shall not open into public access areas.
- d) The gate must be properly installed and work freely in both directions prior to the installation of the gate operator. Do not over-tighten the operator clutch or pressure relief valve to compensate for a damaged gate.
- e) For gate operators utilizing Type D protection:
 - 1) The gate operator controls must be placed so that the user has full view of the gate area when the gate is moving,
 - 2) The placard equivalent to the following: "To reduce the risk of electric shock the operator power is to be provided from a weatherproof outlet in the case of attachment plug connection or weatherproof junction box in the case of permanent wiring according to the National Electrical Code, NFPA 70." shall be placed adjacent to the controls,
 - 3) An automatic closing device (such as a timer, loop sensor, or similar device) shall not be employed, and
 - 4) No other activation device shall be connected.
- f) Controls intended for user activation must be located at least six feet (6') away from any moving part of the gate and where the user is prevented from reaching over, under, around or through the gate to operate the controls. Outdoor or easily accessible controls shall have a security feature to prevent unauthorized use.
- g) The Stop and/or Reset button must be located in the line-of-sight of the gate. Activation of the reset control shall not cause the operator to start.
- h) A minimum of two (2) WARNING SIGNS shall be installed, one on each side of the gate where easily visible.

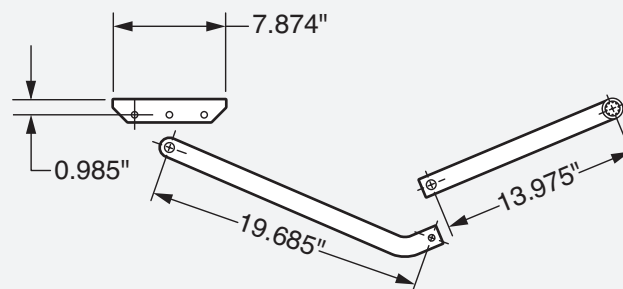
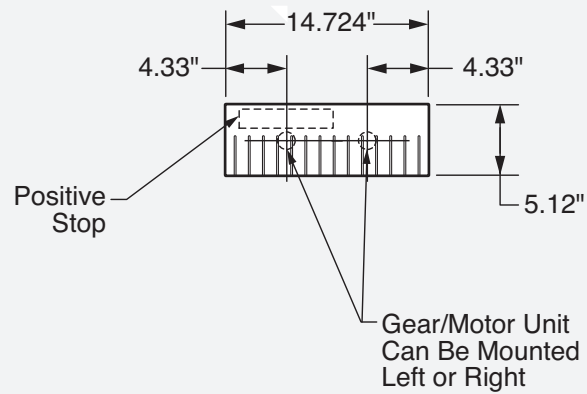
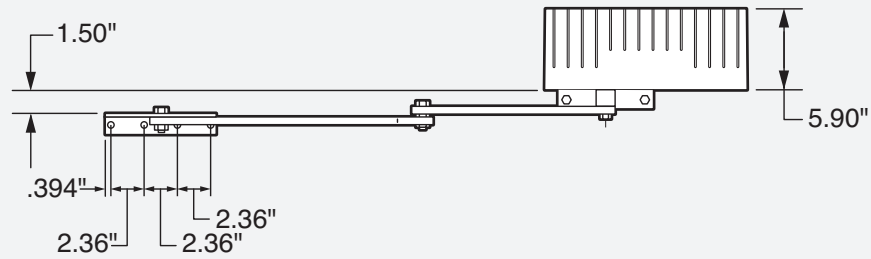


WARNING: to reduce the risk of injury or death:

1. READ AND FOLLOW ALL INSTRUCTIONS.
2. Never let children operate or play with gate controls. Keep the remote control away from children.
3. Always keep people and objects away from the gate. NO ONE SHOULD CROSS THE PATH OF THE MOVING GATE.
4. Test the gate operator monthly. The gate MUST reverse on contact with a rigid object or stop when an object activates the non-contact sensors. After adjusting the force or the limit of travel, retest the gate operator. Failure to adjust and retest the gate operator properly can increase the risk of injury or death.
5. Use the emergency release only when the gate is not moving.
6. KEEP GATES PROPERLY MAINTAINED. Read the owner's manual. Have a qualified service person make repairs to gate hardware.
7. The entrance is for vehicles only. Pedestrians must use separate entrance.
8. SAVE THESE INSTRUCTIONS

SPECIFICATIONS

Maximum Gate Weight:	700 lbs.
Maximum Gate Length:	12 feet
Opening Time:	90° opening in 21-25 seconds
Maximum Opening Angle:	120°
Power Requirements:	120 VAC Single Phase at 2 Amps or 220 VAC Single Phase at 1 Amp
Main Power:	Power Input: 100-240 VAC Select 115 /230 VAC Single Phase Built-in 24VDC battery backup (7AmpHr 12VDC x 2)
Operating Temperature:	-20°C (-4°F) to 70°C (158°F)
Operator Weight:	40 lbs.



MAINTENANCE INSTRUCTIONS OF CM-712 PERFORMED BY A QUALIFIED GATE OPERATOR TECHNICIAN

INSTALLATION, ALL CONNECTIONS, PROGRAMMING, REPAIR AND MODIFICATIONS MUST BE DONE BY A QUALIFIED PROFESSIONAL GATE OPERATOR INSTALLER.

The following services need to be periodically performed:

- Check and adjust the gate operator for force, speed, and sensitivity.
- Make sure all power (AC/DC) connections are corrosion free.
- Check all batteries for proper voltage of the intended use. A fully charged battery must be 26 VDC minimum.
- Check the incoming line voltage and confirm it is within 10% of its rating (115 or 230 volts).
- Verify battery backup functionally by turning off the power source (115 VAC and 230 VAC). Don't forget to restore power after testing.
- Check gate hinges and operator/arm mounting brackets and lubricate them with heavy-duty, high-performance lubricant and avoid spillage.
- Test (use caution) all contact and non-contact sensors, all vehicle detectors, keypad, telephone entry system or other control devices applicable.
- Test the manual release feature on the operator/arm.

MAINTENANCE INSTRUCTIONS OF CM-712 PERFORMED BY THE END USER/HOME OWNER

Installation, all connections, programming, repair and modifications must be done by a qualified professional gate operator installer. End users/home owners must call a qualified professional gate operator installer for programming changes, repairs and modifications.

Although all Platinum Access Systems' gate operators are virtually maintenance free to an end user/home owner, minimal maintenance is recommended to ensure a smooth operation of this unit.

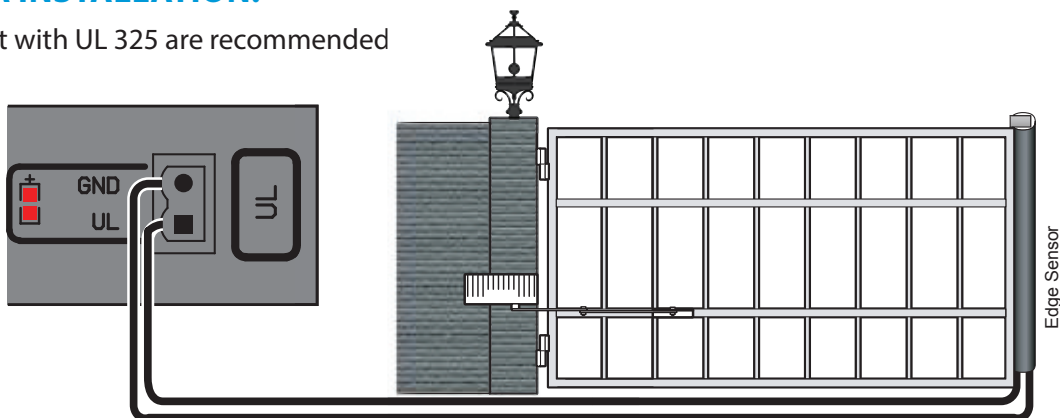
End users/home owners:

- Perform maintenance every six months, or when strenuous noise from gate hinges and/or operator/arm mounting brackets is detected. Lubricate them with heavy-duty, high-performance lubricant and avoid spillage.
- DO NOT take the cover off the operator/arm and/or the electrical control box to perform maintenance.
- Make sure there are no cars in the path of the gate while performing maintenance.
- Make sure the person performing maintenance is the only person in control of all control devices in order to avoid possible involuntary activation of the gate operator.
- Keep spraying water hoses and sprinkler systems away from the gate, gate operator/arm and the electrical control box at all times. Keep that general area as clean as humanly possible.
- Test (use caution) all non-contact sensors, all vehicle detectors, keypad, telephone entry system or other control devices applicable.

NOTE: This type of installation DOES NOT reverse the gate all the way back to its limits when the sensors are obstructed. This is only to protect against entrapment and to comply with UL325.

CONTACT SENSOR INSTALLATION:

Only sensors compliant with UL 325 are recommended

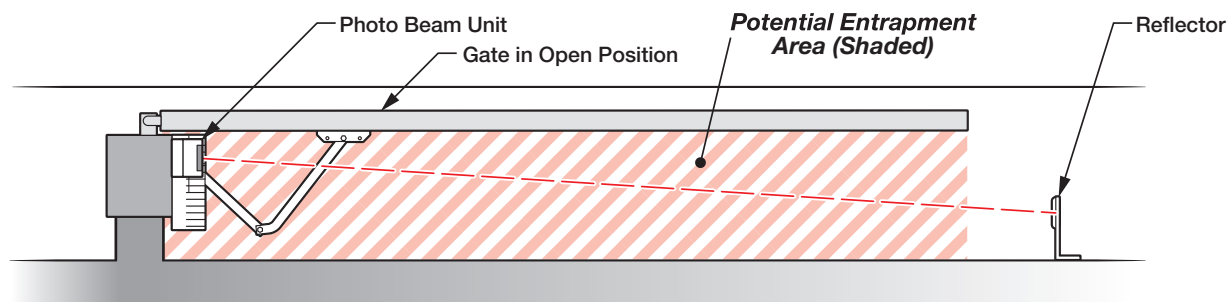
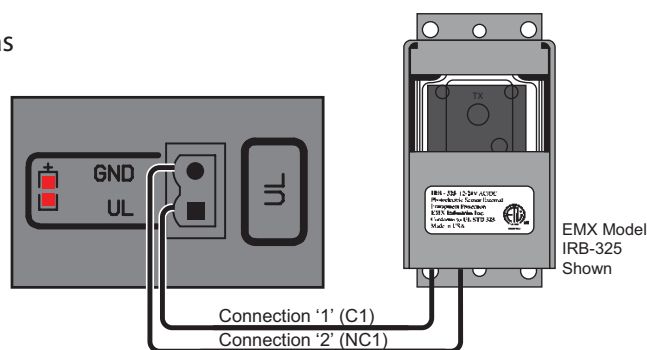


NON-CONTACT SENSORS (PHOTOELECTRIC SENSORS) INSTALLATION:

Use one or more non-contact sensors shall be located where the risk of entrapment or obstruction exists, such as the perimeter reachable by a moving gate or barrier.

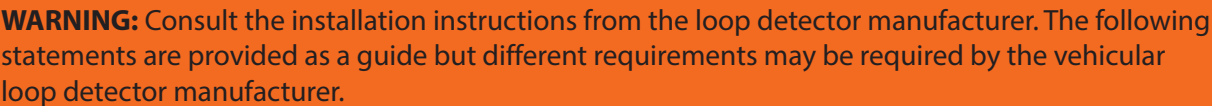
Install photoelectric sensors to protect against any entrapment or safety conditions encountered in your gate application.

We recommend the use of EMX IRB-325 photoeyes to comply with UL325.



One or more non-contact sensors shall be located where the risk of entrapment or obstruction exists, such as the perimeter reachable by a moving gate or barrier.

Consult the installation manual for the UL325 device (photo beam or like) for detail information about the usage, installation and maintenance



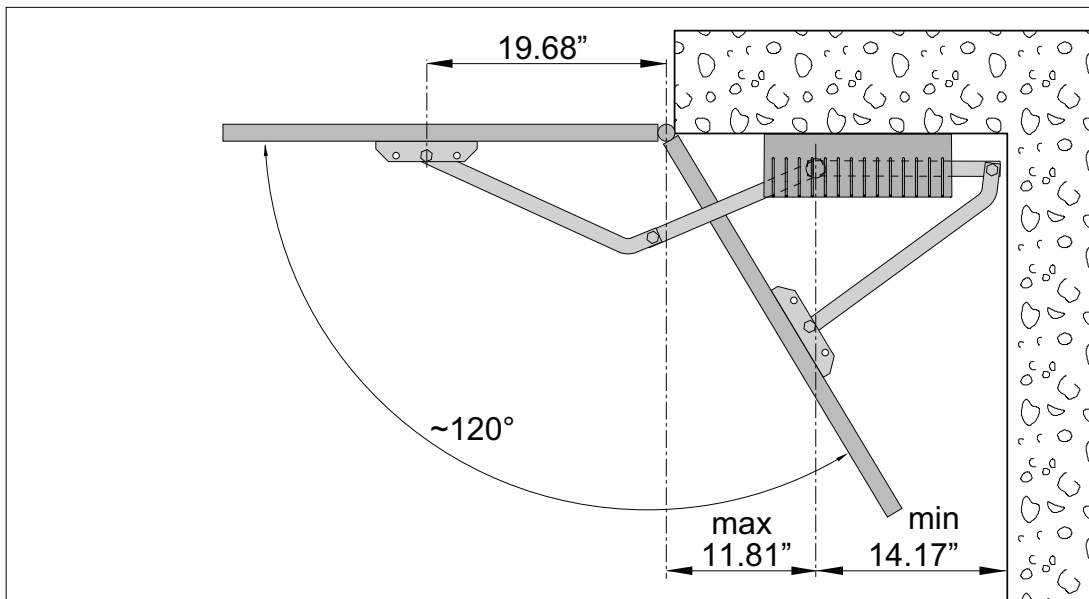
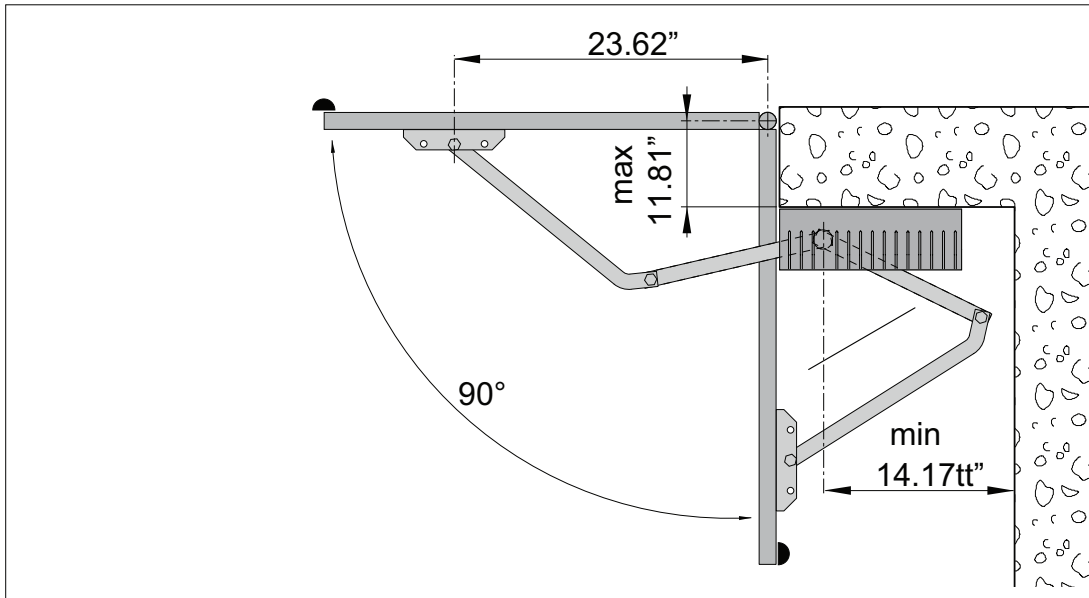
The diagram illustrates a turnstile loop layout for a turnstile assembly. It shows a path from 'Outside' to 'Inside' with four rectangular loops: 'Outside Safety Loop', 'Center Loop', 'Inside Safety Loop', and 'Exit Loop'. The loops are arranged in a sequence along the path, with the 'Outside Safety Loop' at the entrance and the 'Exit Loop' at the exit. The 'Center Loop' is located in the middle of the path, and the 'Inside Safety Loop' is located just before the exit. The diagram also shows a turnstile unit at the entrance and a wall on the right side of the path.

**A = 6' for Master/Slave Installation
5' for Single Unit Installation**

The diagram illustrates the layout of a single unit installation. It shows a vertical gate structure with a horizontal bar across the middle. The gate is shown in its open position, with the horizontal bar extended to the right. The layout includes the following components and dimensions:

- Outside Safety Loop:** A rectangular loop on the left side of the gate.
- Center Loop:** A rectangular loop in the middle, with a width of 5'.
- Inside Safety Loop:** A rectangular loop on the right side of the gate.
- Exit Loop:** A rectangular loop on the far right side of the gate.
- Dimensions:**
 - The distance between the Outside Safety Loop and the Center Loop is labeled **A**.
 - The distance between the Center Loop and the Inside Safety Loop is labeled **5'**.
 - The distance between the Inside Safety Loop and the Exit Loop is labeled **5'**.
 - The height of the Center Loop is labeled **5'**.
 - The height of the Inside Safety Loop is labeled **5'**.
- Labels:**
 - Outside:** Label on the left side of the diagram.
 - Inside:** Label on the right side of the diagram.
 - Make Even with Open Gate:** A label pointing to the bottom of the Center Loop.
 - Gate in Open Position:** A label pointing to the horizontal bar of the gate.

The gate must be installed in a location so that enough clearance is supplied between the gate and adjacent structures when opening and closing to reduce the risk of entrapment. Swinging gates shall not open into public access areas.



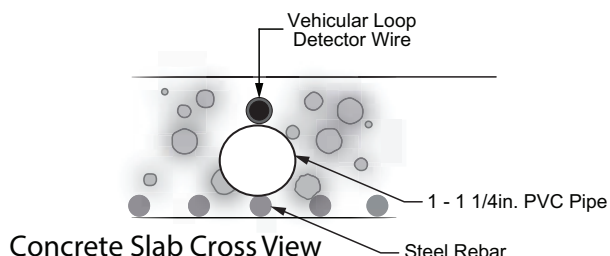
NOTE: Varying from the dimensions shown may severely affect the speed and performance of the gate operator.



WARNING: Always read and follow the manufacturer's instructions for the products used before connecting them. Comply with all applicable codes and safety regulations. Failure to do so may result in damage, injury or death.

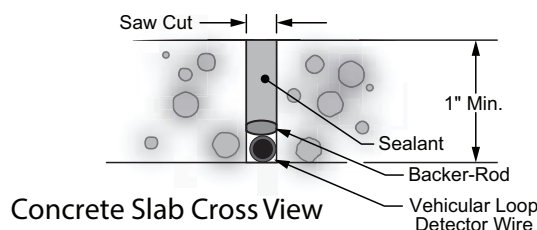
NEW SLAB POUR

Ty-wrap 1 1/4" PVC Pipe to the top of the rebar in the size and configuration of the loop (i.e. 4ft x 8ft). Then ty-wrap the loop to the top of the PVC frame. This stabilizes the loop during the pour and separates it from the rebar.



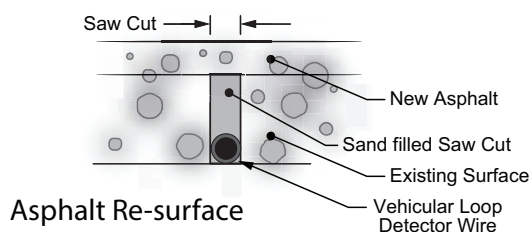
SAW CUT EXISTING SURFACE

Cut 1" deep into the existing surface, place a 45° cut at the corners to prevent sharp edges from damaging the loop wire. Notch out for the "T" connection where the lead wire connects to the loop. Remove all debris from the finished cut with compressed air. Place the loop into the saw cut. Place backer material into the saw cut over the loop wire and pack tightly. Place a high quality sealer over the saw cut to seal the surface.



RESURFACE ASPHALT

Saw cut the existing surface 3/4" deep and place a 45° cut at the corners to prevent sharp edges from damaging the loop wire. Remove all debris from the finished cut with compressed air. Place sand over the loop wire to the surface and pack tightly. Lay new asphalt.



GENERAL INSTALLATION GUIDELINES

Lead-in wire (wire from loop to detector) must be twisted a minimum of 6 turns/ foot to avoid the effects of noise or other interference.

Detection height is approximately 70% of the shortest side of the loop.



Recommended # of Turns

Perimeter in Feet	# of Turns
10	5
20	4
30-40	3
50-100	2



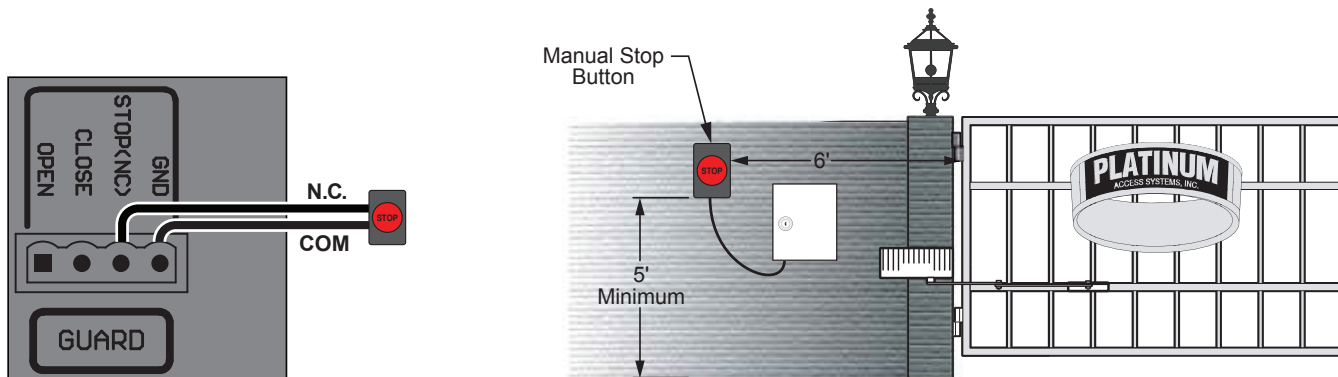
WARNING: To reduce the risk of severe injury or death to person, please follow these instructions:

ALARM RESET SWITCH INSTALLATION: (UL 325 standard requirement)

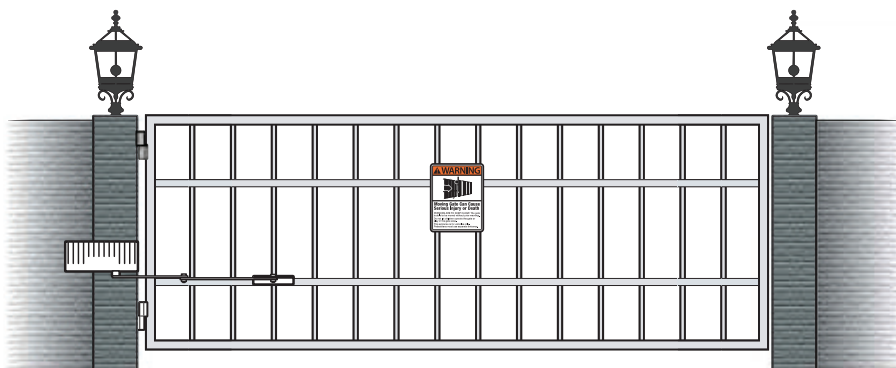
An alarm shall signal upon two sequential activations of an entrapment protection device, where the first activation is either a Type A or B2 device and the second activation is a Type A device. The alarm shall signal for a minimum of 5 min or until a renewed manual input from an integral control or a permanently mounted control (such as a Stop button) located in the line-of-sight of the gate has been entered. An audio alarm is not required for Classes III and IV.

To reset the alarm the Stop command can be given in two different ways.

1. The Built in Stop switch on the control board.
2. The External Stop button in the line-of-sight of the gate, away from moving parts of the gate and out of reach of children.



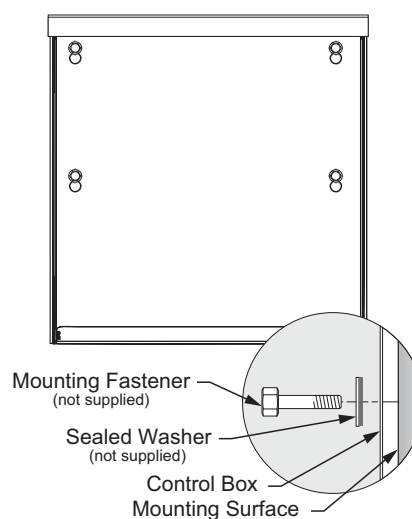
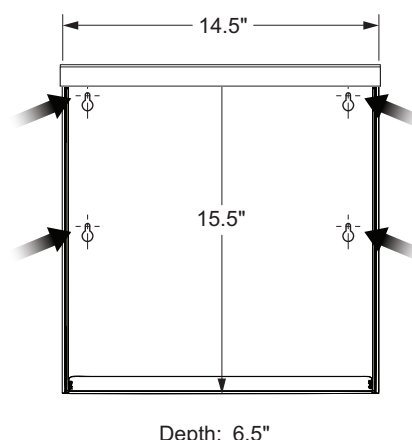
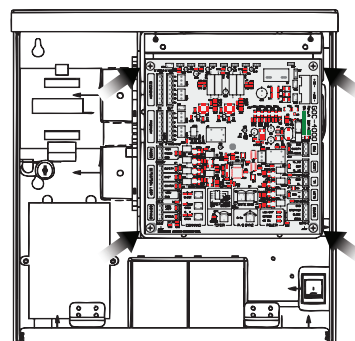
WARNING PLACARDS INSTALLATION:



All Warning Signs and Placards must be mounted where visible in the area of the gate.
A minimum of two (2) Warning Placards shall be mounted. (One on each side of the gate).

The control box MUST be mounted within 5 feet of the gate operator. Mount the control box as high as possible for best radio reception. Make sure the control box is level. The control unit weight is approximately 28 lbs. with supplied batteries.

- 1 Remove the screws and open the control box.
- 2 Disconnect the connector from the Main Board.
- 3 Position the control box into the desired place and mark the mounting holes.
- 4 Select the mounting holes and remove the knockouts using a screwdriver and hammer.
- 5 Secure the control box to mounting surface.



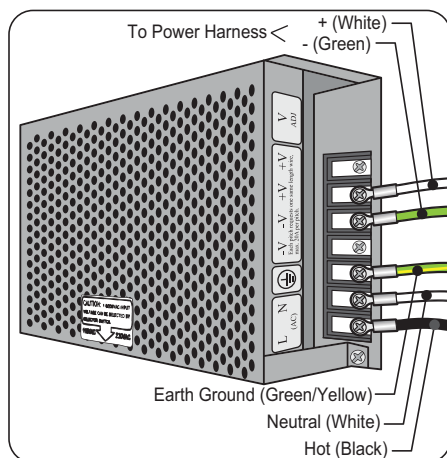
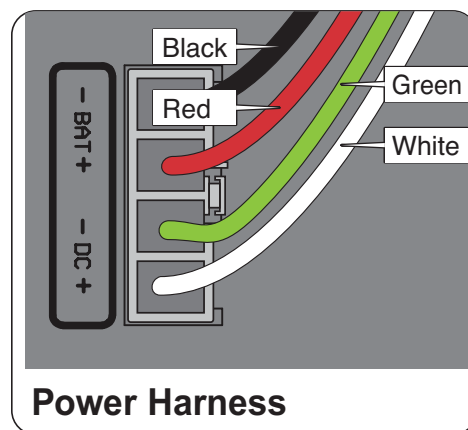


WARNING: Verify the installation first to make sure everything is correct before connection the power cable to the board. USE MIN. 14 AWG WIRE. FOLLOW ALL LOCAL ELECTRICAL CODES.

To help protect the equipment from lightning and power surges and to protect persons from shock hazard the Operator must be grounded. The earth ground rod must be located within 3 feet from the gate operator. Use the proper type earth ground rod for your local area. The ground wire must be a single, whole piece of wire. Never splice two wires for the ground wire. If you cut the ground wire too short, break it, or destroy its integrity, replace it with a single wire length. Prevent unnecessary turns or loops in ground wires.

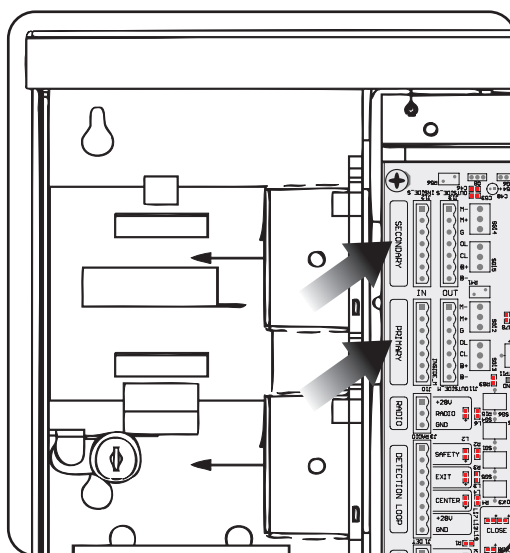
The gate operator and the battery charger require a single phase AC line to operate.

1. Turn off the breaker for the circuit you are using.
2. Select the proper voltage on the power board.
3. Connect the incoming power wires to the proper terminals.
4. Turn on the breaker and check that AC ON and CHARGE LED are lit.

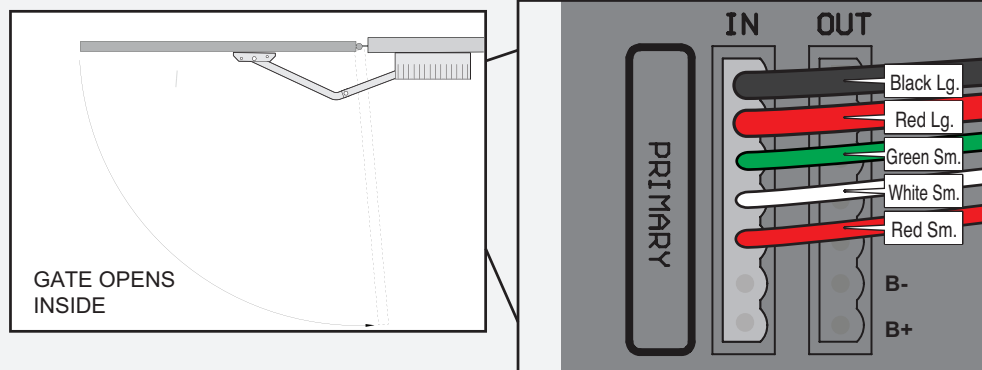


The power receptacle has been left unconnected till the installer decides what voltage to use. Connect to 120VAC only

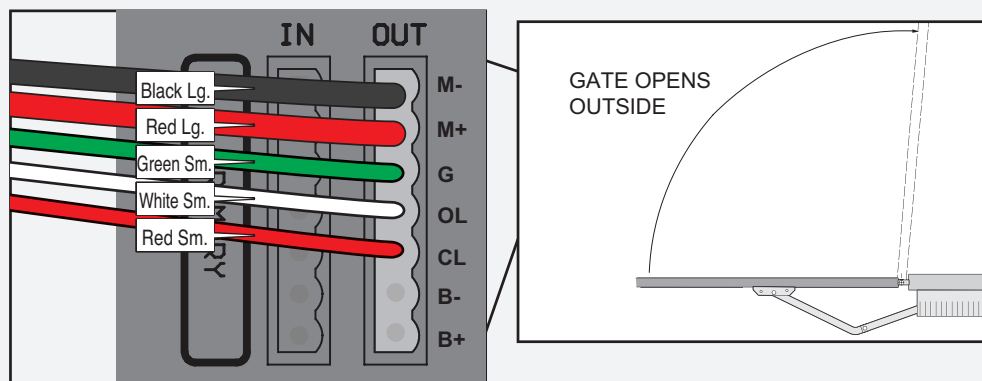
SINGLE UNIT CONNECTION:



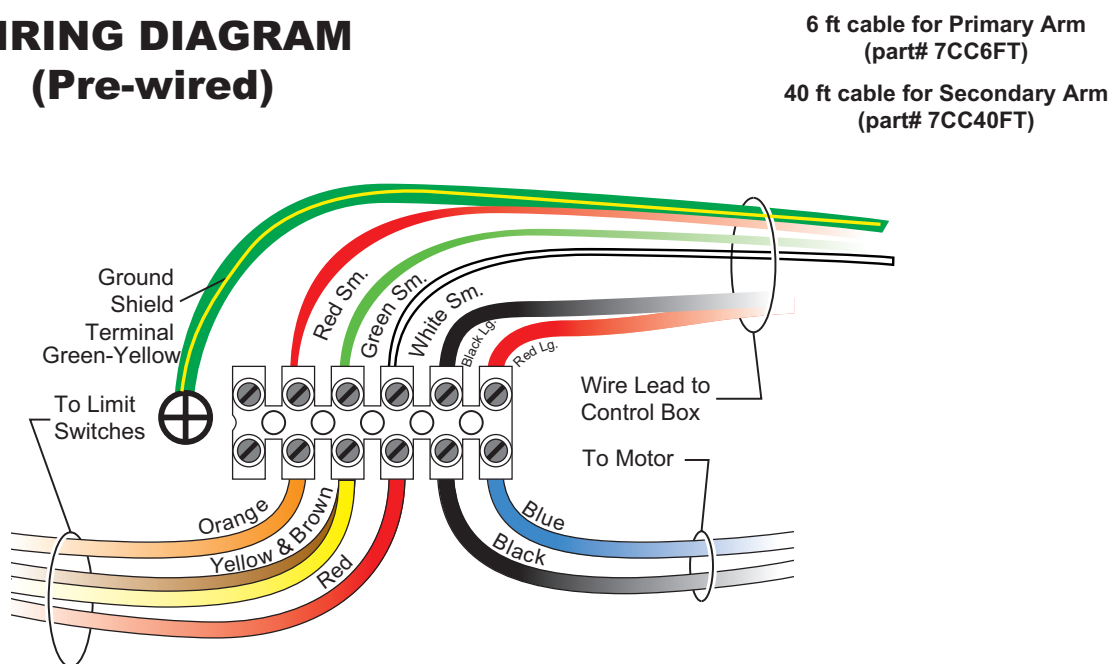
Connect the wire harness to the PRIMARY "IN" connector if the gate opens inside.

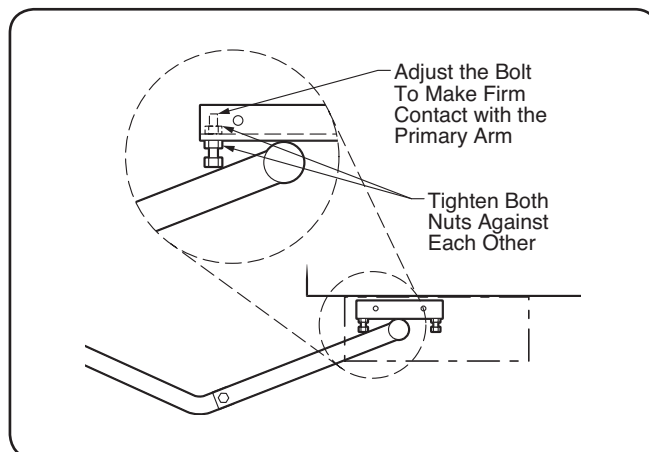
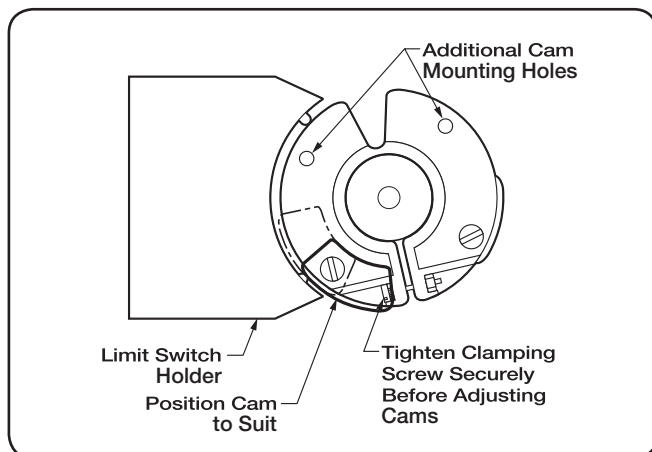


Connect the wire harness to the PRIMARY "OUT" connector if the gate opens outside.



LIMIT SWITCH SET-UP (Continued):

**WIRING DIAGRAM
(Pre-wired)**

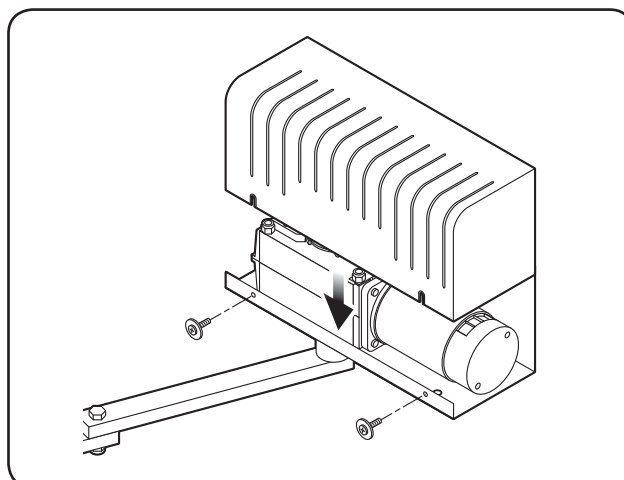


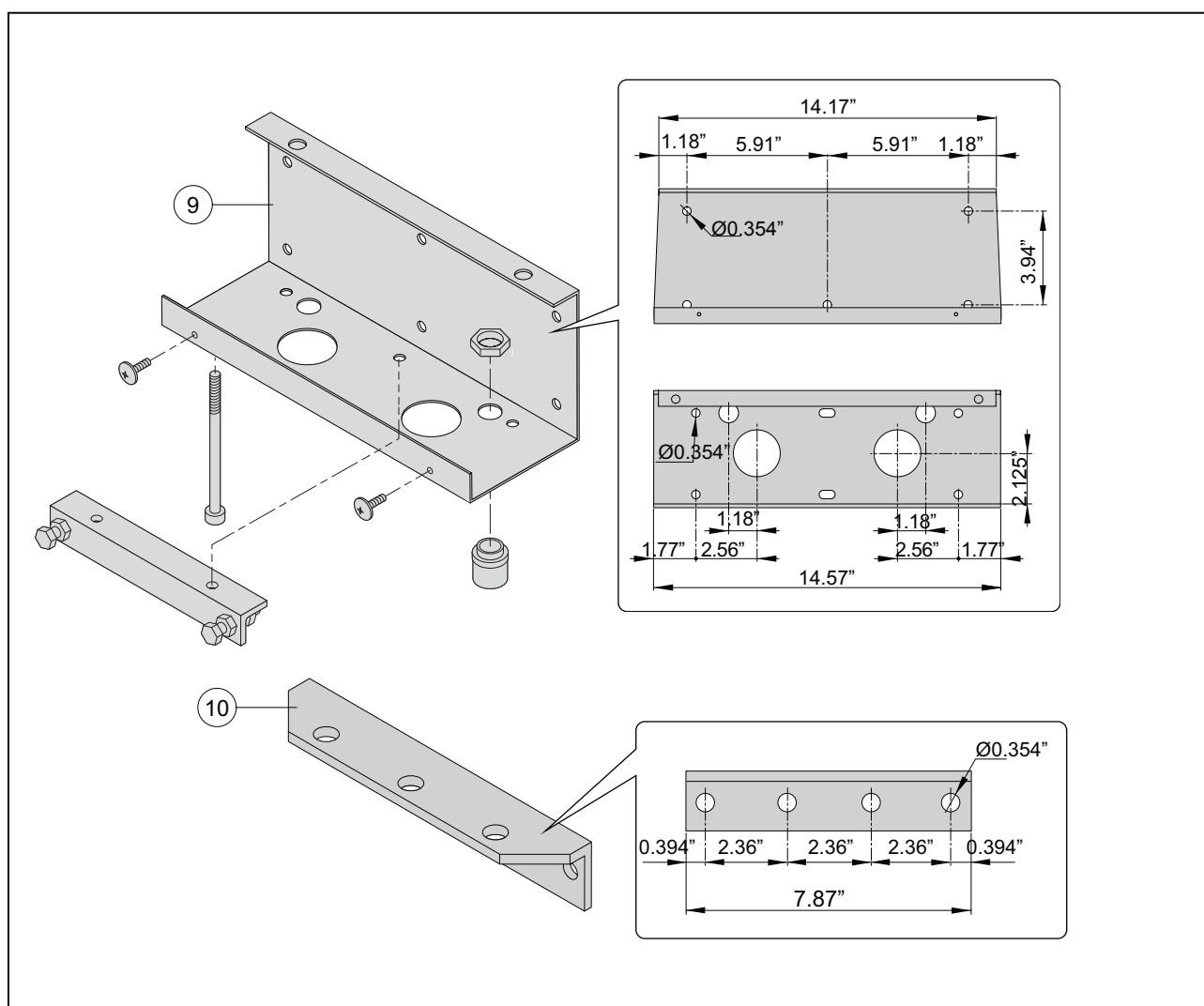
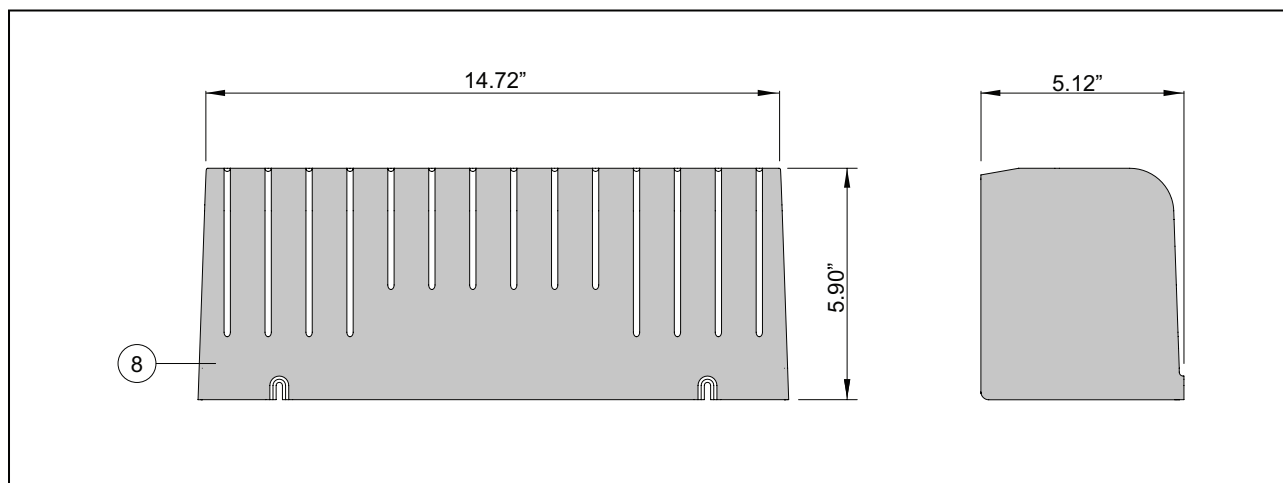
WARNING: Be aware that the Positive Stop Extension DOES NOT trip the Obstruction Sensor, it is only designed to eliminate freeplay in the arms when the gate is full closed.

- A. Loosen the screws on the limit switch cams and position the cams to the desired locations. There are additional holes provided in case of a wide or tight angle of opening or closing.
- B. Move the gate manually and ensure that the limit switch gets actuated at the desired open and closed position. The limit switch will click when engaged by the limit cam.
- C. Retighten the screws on the limit switch holders once the proper position has been determined. CAUTION – DO NOT OVERTIGHTEN SCREWS!
- D. Run the unit 2 full cycles without interruption (from limit to limit) to execute a “Learn Cycle.”
- E. Fine-tune the adjustment of the Limit Switch Cams.
- F. With gate in the fully closed position, adjust the Positive Stop by moving the bolt to make firm contact with the Primary Arm.
- G. Lock the bolt’s position by tightening the nuts on each side of the bracket against each other.

NOTE: Leave cover off until after the installation of the control box and the electrical installation. Verify that the operator opens and closes to the desired position under power. Make any adjustments as necessary.

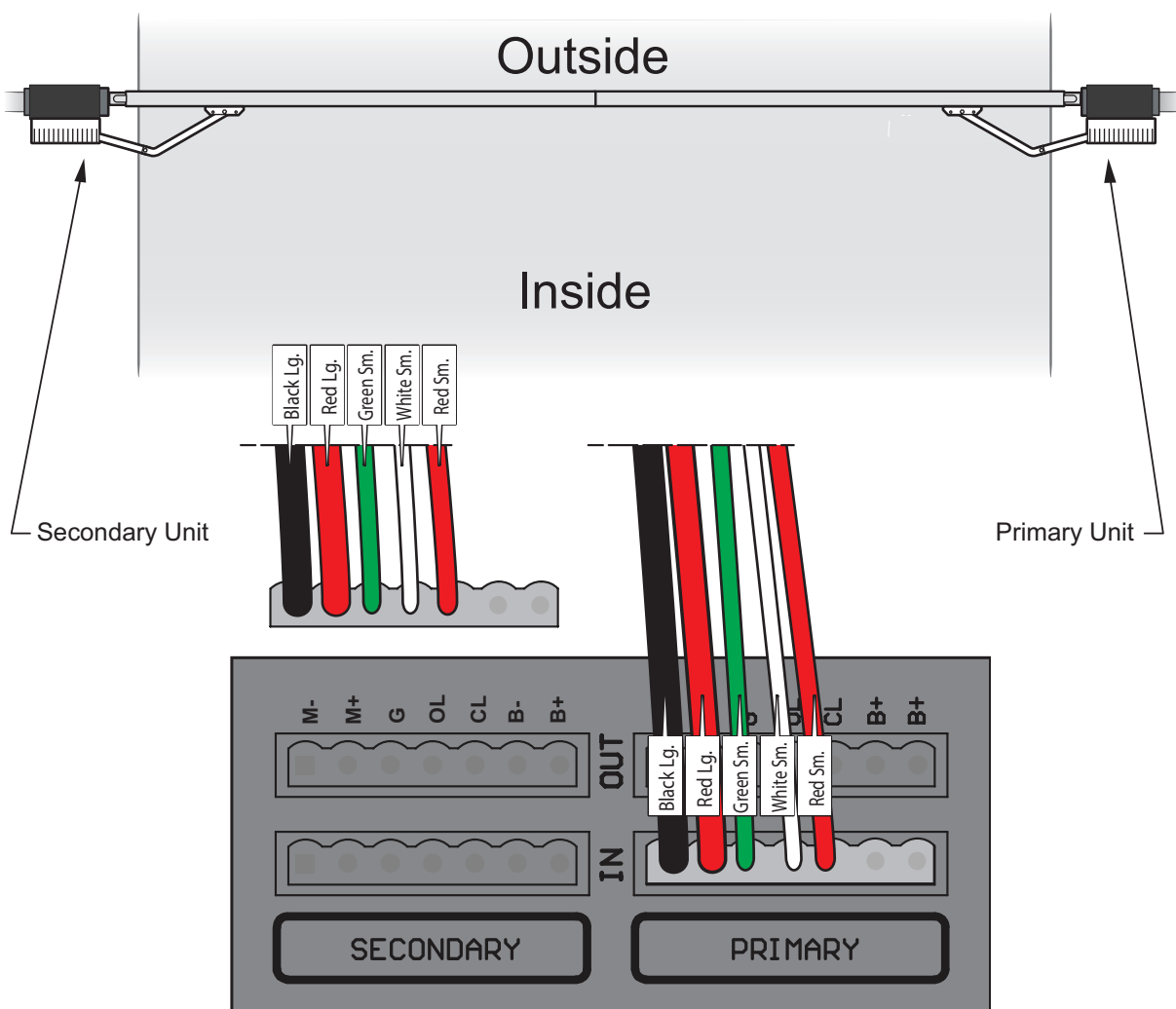
Replace the cover and secure it with screws provided after finishing final adjustments.





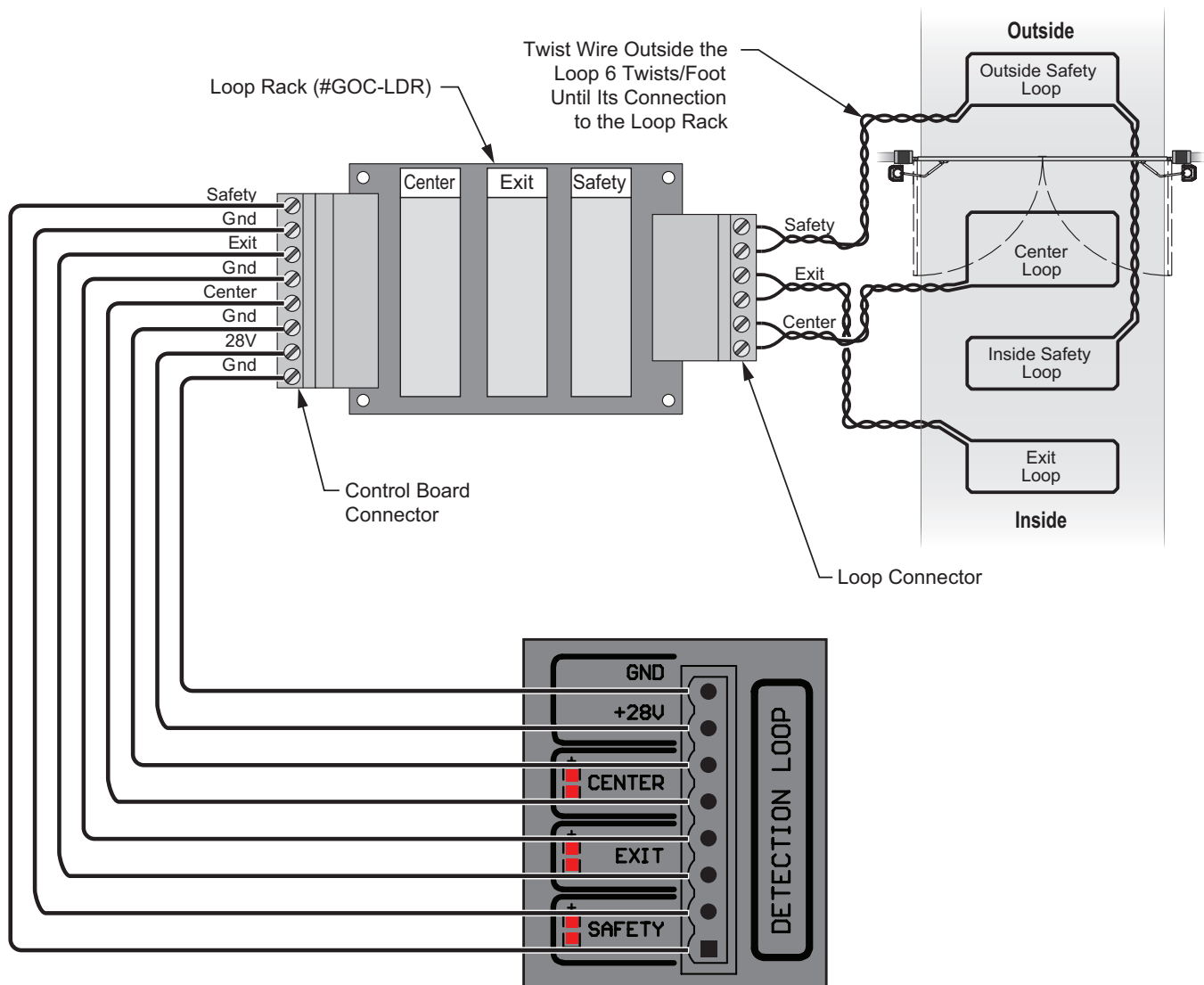
Ref.	Description
8	Housing
9	Fastening plate
10	Gate attachment bracket

The control board provides a connector for the secondary actuator unit and automatically synchronizes the secondary unit with the primary unit.



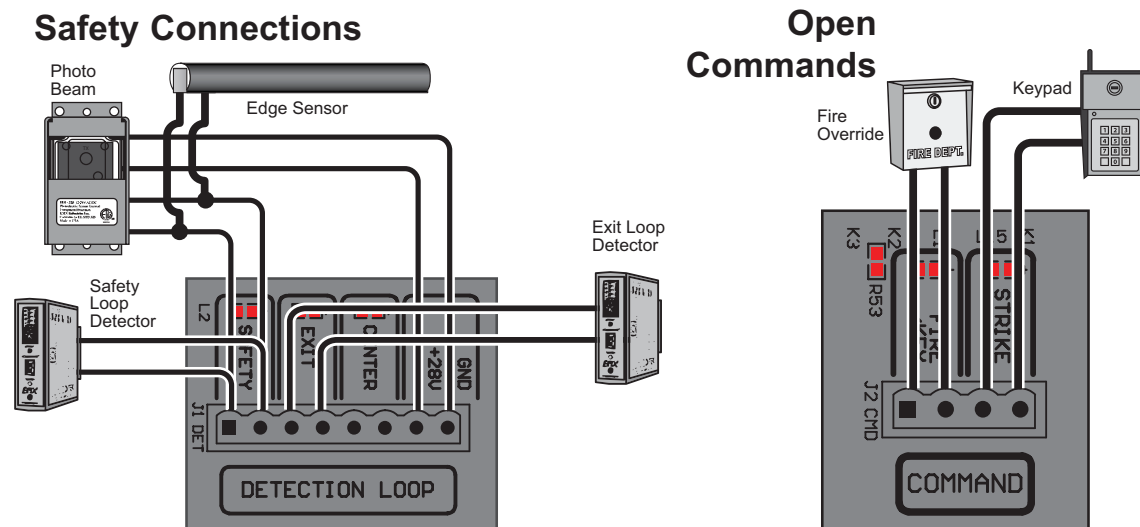
Simply connect the Secondary arm to its applicable position, IN for open inside or OUT for open outside.

LOOP RACK INSTALLATION:



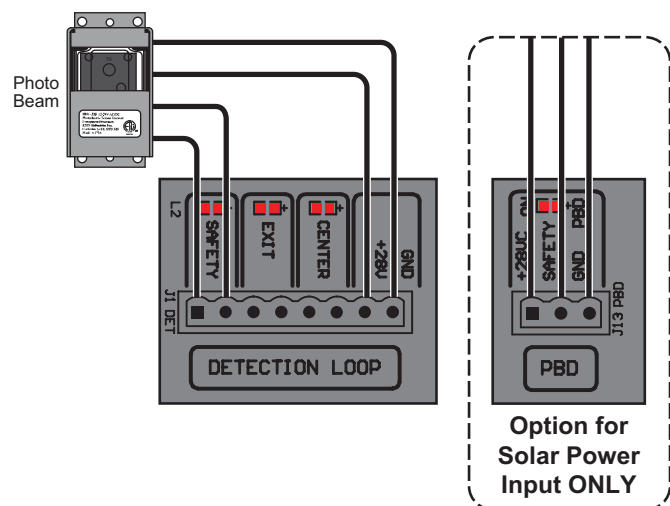
ACCESSORY CONNECTIONS:

To decrease the possibility of vehicle entrapment on the gate, vehicle loop detectors need to be installed. The edge sensor and the photo-electric beam can be used for secondary entrapment protection on every installation to prevent pedestrian or animal entrapment. These accessories must be UL325 compliant devices.



REOPEN PHOTO BEAM

Note: Installing the photo beam in this way, allows the gate to re-open all the way upon obstruction of the photo-beam. The optional PBD connector provides a controlled power supply for Photo Beam. The power will be turned off when gate is in close position to save battery.



ACCESSORY CONNECTIONS (Continued):

Radio Receiver

Need to verify the proper connections before connecting the Radio Receiver. The maximum voltage that the control board / battery can provide is about 28V for external accessories. If there is an electrical shot in the power to the accessories, the control board will protect itself by shutting down and will remain shut down until the short is fixed.

Two modes of operation that a radio receiver can control the gate:

Open-Close

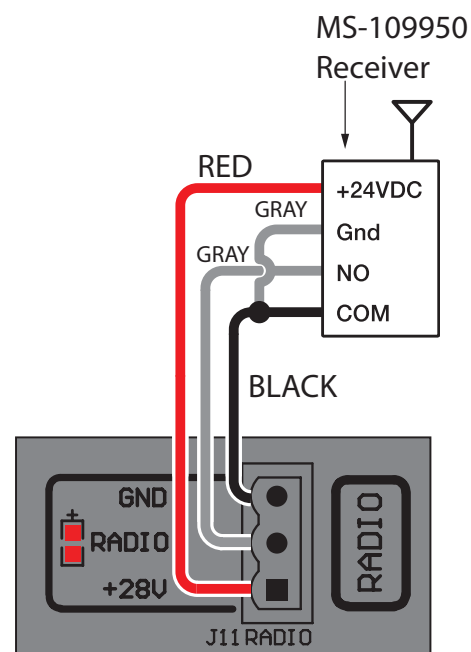
By having the radio receiver connected as illustrated and with the Timer OFF:
Every command of the radio transmitter will control the gate as follow:

- A. First command opens the gate
- B. Second command CLOSE the gate if at open position
- C. Third command OPEN the gate
- D. Any subsequent commands will continue in the same order to control the gate.

This type of configuration is not recommended for a commercial installations.

Open Only

By having the radio receiver connected as illustrated and with the Timer ON:
Each command of the radio transmitter is ALWAYS AN OPEN COMMAND to the gate.

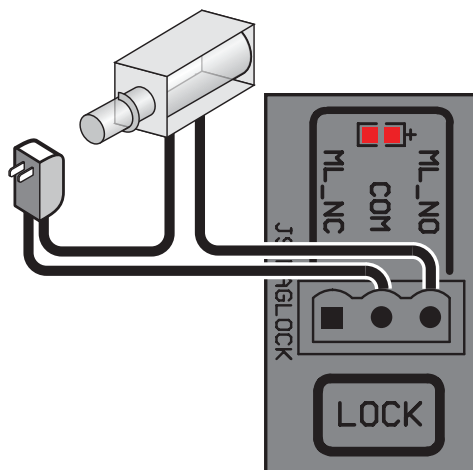


Linear MS-109950
Installation Diagram

ACCESSORY CONNECTIONS (Continued):

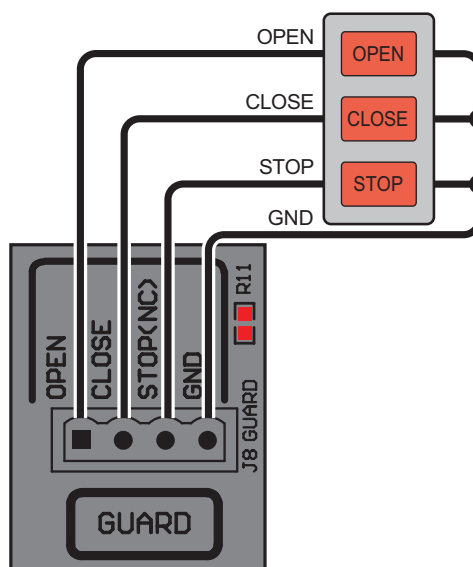
Solenoid Connection

The solenoid power connection must be provided an external power source. This will prevent damage to the battery in the event of a line power failure.

**Guard Station**

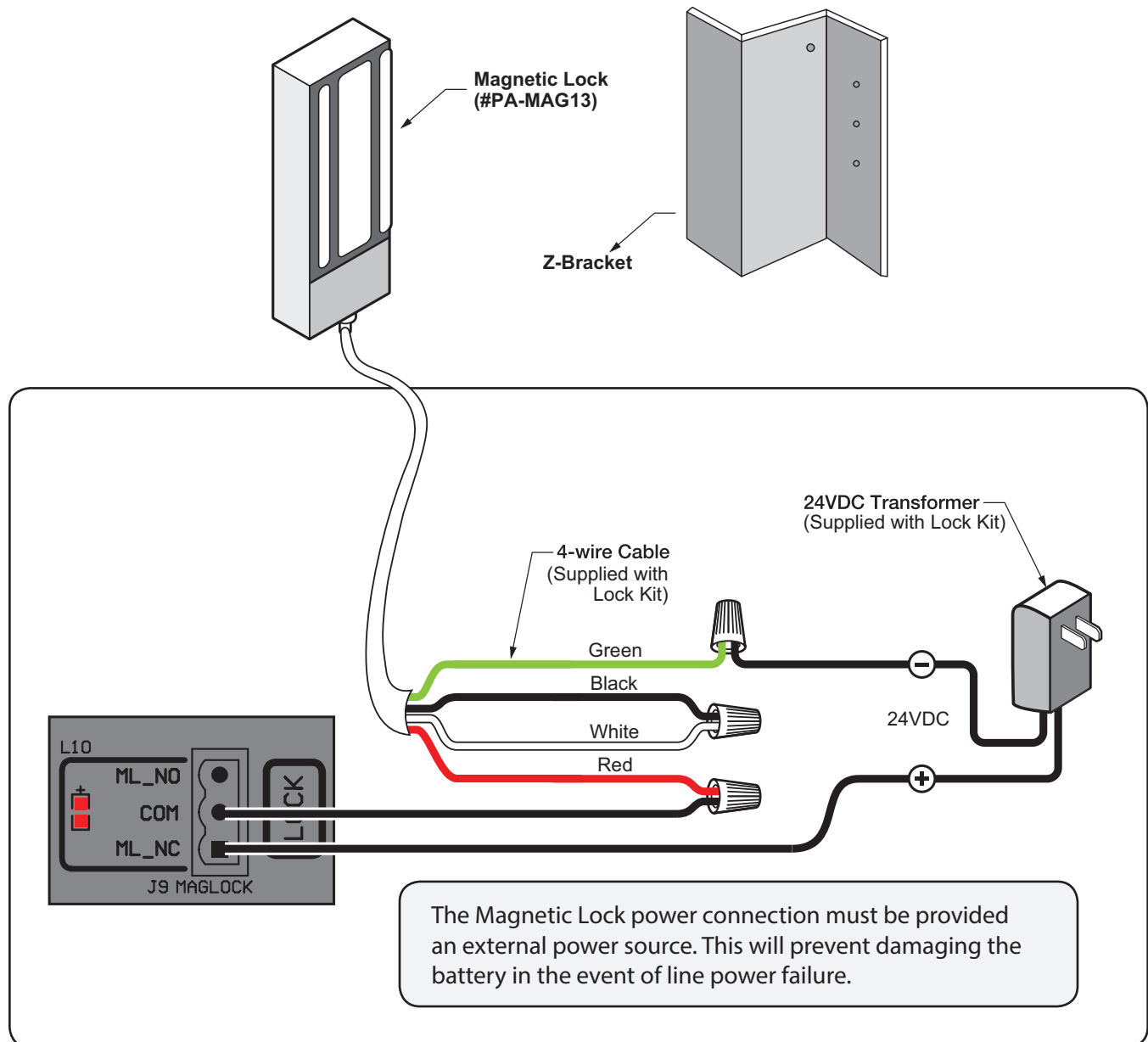
This will control the gate operator to Open, Stop, and Close the gate. The switches for Open and Close must be normally open type. The switch for Stop must be normally close type. They all can be using the same common ground. The control switch box should be within sight of the gate, out of reach of children, and away from moving parts of the gate.

If no guard station or STOP switch is installed, a jumper must be inserted between "STOP(NC)" and "GND" pins.



ACCESSORY CONNECTIONS (Continued):

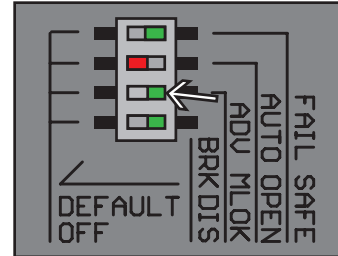
Locks



OPTIONAL ACCESSORY- part # (PA-MAG13).

ADVANCING LOCK SELECT:**ADV MLOK**

To set the maglock to be engaged before the gate reaches the close or open position: Select the DIP switch to ADV MLOK position.

**OPEN ON POWER FAIL:**

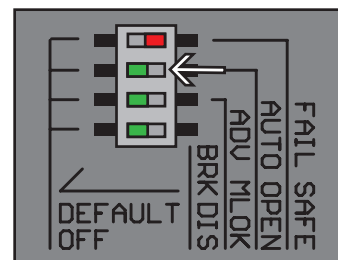
The Auto-Open feature in Platinum Access Systems Gate Operators enables the following functionality in the event of power failure:

- Open the gate in case of power failure (120 or 220 VAC).
- Keep the gate at the open position as long as there is no power.
- Resume to normal operation when the power has been restored.

All accessories and safety devices are functional. The only function disabled is the close command.

Auto-Open

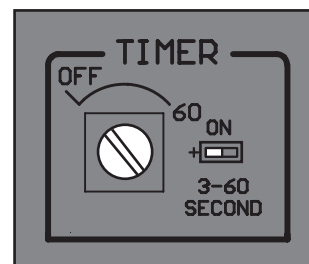
To enable the Auto-Open feature: Select the DIP switch to AUTO OP position.



CLOSE TIMER:

Close Timer

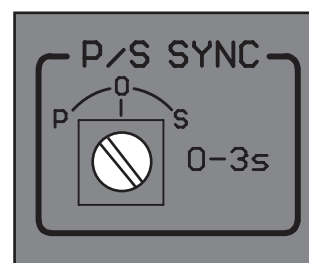
Timer Feature when activated will close the gate automatically a set number of seconds. This is adjustable from 3 to 60 seconds.



LEAF DELAY:

Leaf Delay

An Overlap Delay has been provided for biparting gates that have an emblem or maglock for example. It will provide up to a 3 second delay on primary or secondary operator.



INSTANT REVERSING SENSOR:

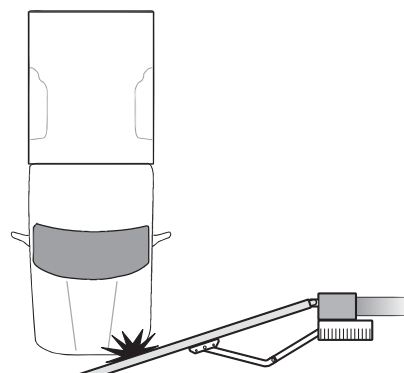
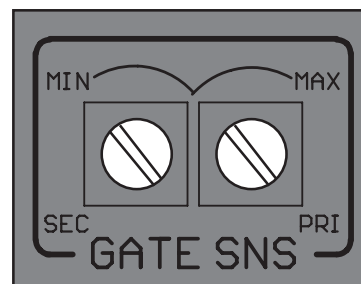
Instant Reversing Sensor

The Obstruction Sensor needs to be adjusted to compensate for the installation and gate weight. The overload adjustment is provided to set the gate sensitivity.

- If the gate reverses by itself or stops in midcycle, it is too sensitive.
- If the gate hits an object and does not reverse or stop, it is not sensitive enough.
- Clockwise increases sensitivity, counterclockwise decreases sensitivity.

Test and adjust for proper reversing pressure

(Note: When unit alarms, push "STOP" or "RESET" button will clear the alarm)



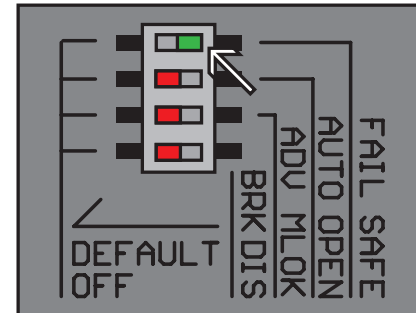
FAIL SAFE/SECURE:

Fail Safe/Secure

On = Fail Safe Off = Fail Secure

Fail/Safety	Battery Detection	AC Detection	Output
ON	Normal	Normal	Secure
ON	Normal	OFF	Fail Safe
ON	Low/OFF	Normal	Fail Safe
ON	Low/OFF	OFF	Fail Safe
OFF	Normal	Normal	Secure
OFF	Normal	OFF	Fail Secure
OFF	Low/OFF	Normal	Fail Secure
OFF	Low/OFF	OFF	Fail Secure

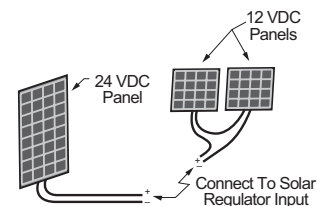
Note: When the output is "Fail Safe", there is less resistance to push the gate open manually.



SOLAR INSTALLATION:

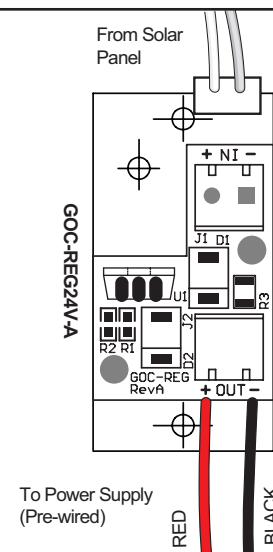
Step 1

A 24V solar panel or two 12V solar panels with minimum 80 watts capacity, Maximum Power Voltage (VPM) > 31V and Open Circuit Voltage (VOC) > 38V is required.



Step 2

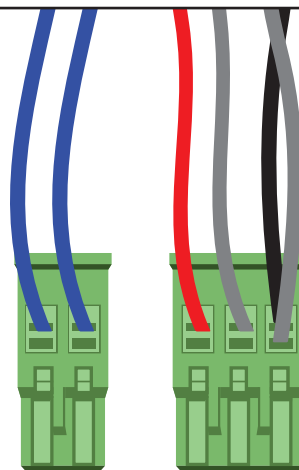
Connect the solar panel cables to the Solar Regulator as shown.



Optional Solar Installation: For Solar Panel controller installation, please call Technical Support.

PLATINUM RECEIVER PL-JS-181 INSTALLATION:

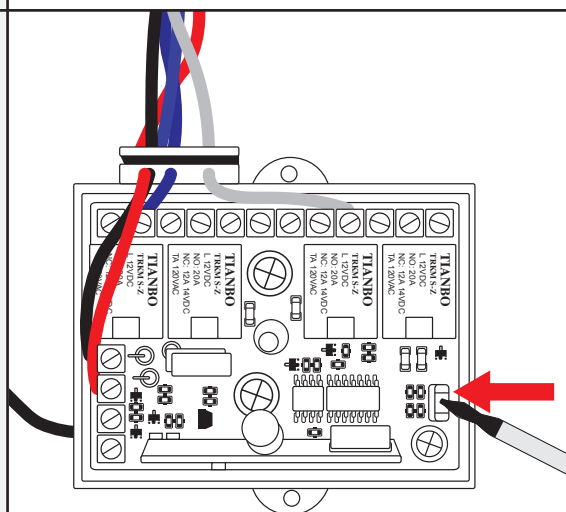
1. Connect two blue wires to the RESET, J15, 2-Pin green connector on the board if apply.
2. Connect Red , Black, and two Grey wires to RADIO J11 in the following way:
 - Connect Red wire to +28V
 - Connect one Grey wire to RAD
 - Connect Black wire and the other Grey wire to GND.



Receiver Wire Connection Picture 1

PROGRAMMING THE PL-JS-181 RECEIVER TO WORK WITH THE PL-RC-C1 TRANSMITTER:

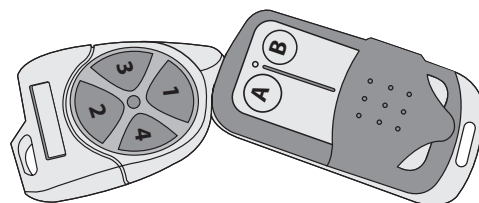
1. Open the Receiver by taking off the screw on the bottom side of the receiver.
2. Press down and then release the K1 tactile switch which located at the corner that near the silver crystal in the receiver. The LED will turn in green. Then press down and hold button #1 on the Platinum Transmitter PL-RC-C1 for 3 seconds.
3. The Receiver LED will be flashing once it has learned the Transmitter code successfully.
4. Wait for about 5 seconds. Then press button #1 on the Transmitter to confirm the transmitter works with the receiver. If not, then repeat step 2 to step 4 to make it works.
5. Repeat step 2 to step 3 to program the other three transmitter buttons if need.



Location of the Tactile Switch in the
PL-JS-181 Receiver

PROCEDURE TO MAKE THE TRANSMITTER PL-CRC-I11 TO COPY THE TRANSMITTER PL-RC-C1 CODE:

1. Press down both buttons in the same time on the PL-CRC-I11 transmitter and hold it till the blue LED flashing for 3 seconds (It takes about 13 seconds totally).
2. Next bring both transmitters PL-RC-C1 and PL-CRC-I11 close to each other. Make sure the transmitter PL-RC-C1 antenna is touching the transmitter PL-CRC-I11 top surface.
3. Press down PL-CRC-I11 transmitter "A" button and hold it. Then press down the PL-RC-C1 #1 button. The PL-CRC-I11 blue LED will flash a few times once it has learned the code successfully.
4. Repeat step 2 to Step 3 to make the PL-CRC-I11 button "B" to learn the #2, #3, or #4 button code from the PL-RC-C1 transmitter.



**PL-RC-C1
Transmitter**

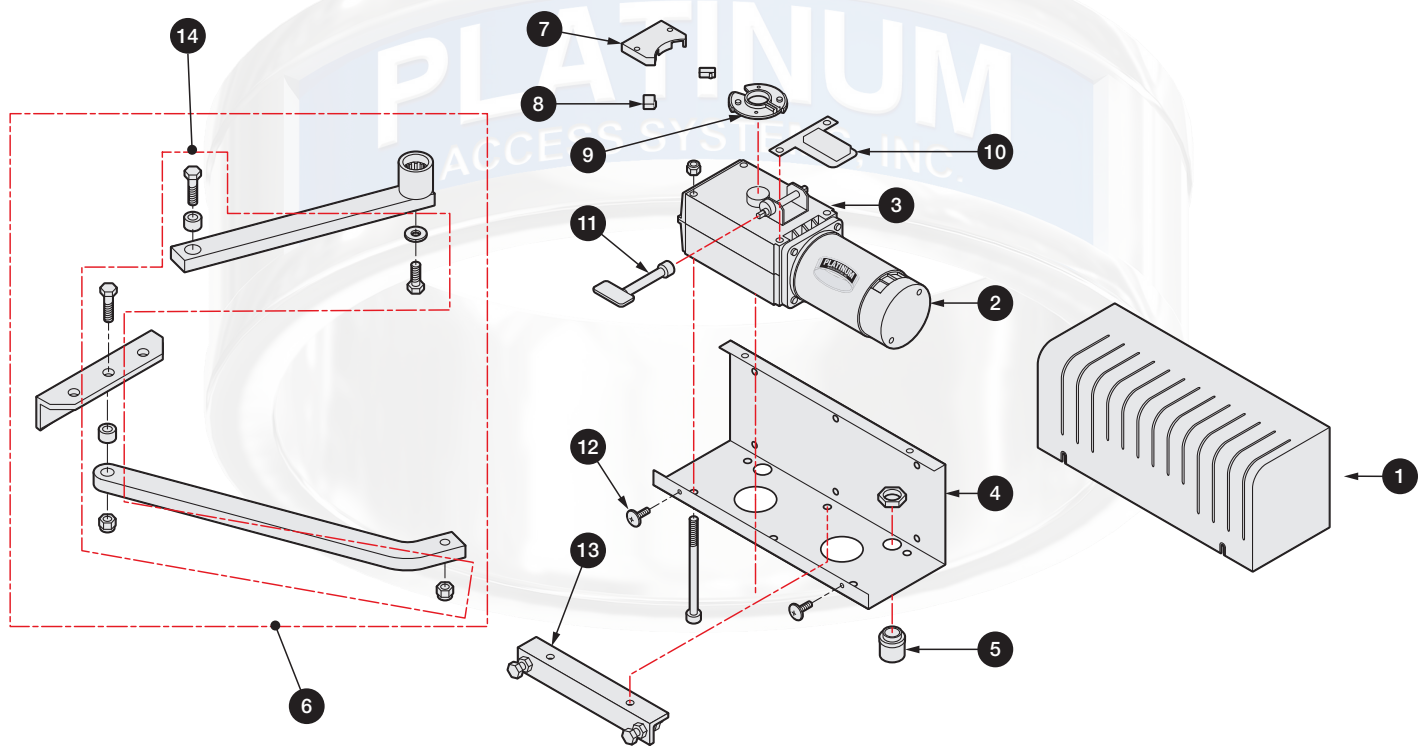
**PL-CRC-I11
Transmitter**

Picture shown the position of the transmitters when using transmitter PL-CRC-I11 to copy the code from transmitter PL-RC-C1

PROCEDURE TO ERASE THE TRANSMITTER PL-CRC-I11 CODE :

1. Press and hold both button A & button B down until the blue LED flashing for 3 seconds. Normally it takes about 10 seconds.

Column Mount Operator



- | | |
|---|---|
| 1 | Cover, Plastic |
| 2 | Motor |
| 3 | Gearbox |
| 4 | Chassis |
| 5 | Strain Relief |
| 6 | Arm Assembly, Articulated with Hardware |
| 7 | Limit Holder |

- | | |
|----|---------------------------|
| 8 | Limit Switch (2) |
| 9 | Limit Cam |
| 10 | Terminal Block and Holder |
| 11 | Key Release |
| 12 | Cover Screw |
| 13 | Positive Stop Extension |
| 14 | Hardware Only |



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