





SL-100AC | SL-150AC

AC SLIDE GATE OPERATORS MANUAL

UL325 COMPLIANT

UL991 COMPLIANT

CANADA CSA C22.2 COMPLIANT



















MANUAL

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IMPORTANT SAFETY INSTRUCTIONS



READ AND FOLLOW ALL INSTALLATION INSTRUCTIONS. DO NOT START INSTALLATION UNTIL YOU HAVE READ AND UNDERSTAND THESE DIRECTIONS. IF THERE IS SOMETHING YOU DO NOT UNDERSTAND, PLEASE CALL US.

NEVER let children operate or play with gate controls.

Locate the control station and make sure it is (a) within sight of the gate and (b) at a minimum height of 5 feet so small children cannot reach it.

Install the enclosed entrapment warning signs next to the control station and in a prominent location.

For operators equipped with a manual release, instruct the end user on the correct operation of the manual release. Use the manual release only when the gate is not moving. It is advised that the power be turned off.

Always keep people and objects away from the gate. No one should cross the path of a moving gate.

The gate operator must be tested monthly. The gate must reverse on contact with a rigid object, or stop when an object activates the non-contact sensor(s). Always re-test the operator after adjusting the limits and/or force. Failure to adjust and re-test the gate operator properly may cause severe injury or death.

Keep gate(s) properly maintained. Have a qualified service technician make repairs to gate hardware and make proper adjustments to gate operator.

This gate entrance/exit is for vehicles only. Pedestrians must use a separate entrance.

There is nothing on a gate operator that is easily repaired or adjusted without a great deal of experience. Call a qualified gate service technician who knows your gate operator.

SAVE THESE INSTRUCTIONS

IMPORTANT SAFETY INSTRUCTIONS (CONTINUED)

INSTALL THE GATE OPERATOR ONLY WHEN YOU HAVE READ THE FOLLOWING

BEFORE GATE OPERATOR INSTALLATION

- Confirm that the gate operator being installed is appropriate for the application.
- Confirm that the gate is designed and built according to the current published industry standards.
- Confirm that all appropriate safety features and safety accessory devices are being installed, including all entrapment protection devices.
- Make sure that the gate opens and closes freely (by hand) before installing the operator.
- Repair or replace worn or damaged gate hardware before installing the gate operator.
- Eliminate all gaps in the sliding gate below a 6 foot height that permits a 2 1/4" sphere to pass through any location. This includes the area of the adjacent fence covered when the gate is in the open position
- Eliminate all gaps in a swing gate below a 4 foot height that permits a 4" sphere to pass through any location. This includes the hinge area of the gate.

GATE OPERATOR INSTALLATION

- Operator must be disconnected from the power source before attempting any installation of accessories.
- Install gate operator according to the installation instructions in this manual.
- Adjust the operator clutch or load sensing device to the minimum force setting that will allow for reliable gate operation.
- Install the operator inside the fence line. Do not install the operator on the public side of the fence line.

- Install a proper electrical ground to the gate operator.
- Controls intended for user activation must be located at least 6 feet 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.
- The stop and/or reset button must be located in the line of sight of the gate. Activation of the operator reset control shall not cause the operator to move.
- Install a minimum of 2 warning signs, one on each side of the gate where they are easily visible.
- Take pictures of the installation.
- Test all safety features for proper function before placing the automatic vehicular gate in operation.

MAINTENANCE

- Train owners/users on the basic functions and safety features of the gate system, including how to turn off the power and operate the manual disconnect feature.
- Leave safety instructions, product literature, installation manual, and maintenance manual with the owner or end user.
- Explain to the owner or end user the importance of routine service and operator testing on a monthly basis.

UL 325 CLASS TYPES AND OBSTRUCTION SENSING SYSTEMS

Each class must have (2) monitored entrapment protection devices in each entrapment zone to sense and react to obstructions within 2 seconds.

All-O-Matic's gate operators conform to the most rigid Class One.

UL 325 CLASS TYPES

CLASS ONE: RESIDENTIAL

• A vehicular gate operator intended for use in garages or parking areas associated with a residence of one to four single families.

CLASS TWO: COMMERCIAL OR GENERAL PUBLIC ACCESS

• A vehicular gate operator intended for use at a commercial location or building, such as a multi-family housing units (five or more single family units), hotels, garages, retail stores, or other buildings accessible by or servicing the general public.

CLASS THREE: INDUSTRIAL OR LIMITED ACCESS

 A vehicular gate operator intended for use at an industrial location or building, such as a factory, loading dock area, or other location not accessible by or intended to service the general public.

CLASS FOUR: RESTRICTED ACCESS

 A vehicular gate operator intended for use at a guarded industrial location or building, such as airport security areas or other restricted access locations not servicing the general public and where unauthorized access is prevented via supervision by security personnel.

THE SIX TYPES OF OBSTRUCTION SENSING SYSTEMS

TYPE A:

 Inherent entrapment protection system. This system must sense and initiate the reverse of the gate within 2 seconds of contact with a solid object.

TYPE B1:

• Non-contact sensor (photoelectric sensor or equivalent). This system shall, upon sensing an obstruction in the direction of the gate travel, reverse the gate within a maximum of 2 seconds.

TYPE B2:

 Contact sensor (edge device or equivalent). This system shall, upon sensing an obstruction in the direction of the gate travel, initiate the reversal of the gate within a maximum of 2 seconds.

TYPE C:

• Inherent force limiting, inherent adjustable clutch, or pressure relief valve.

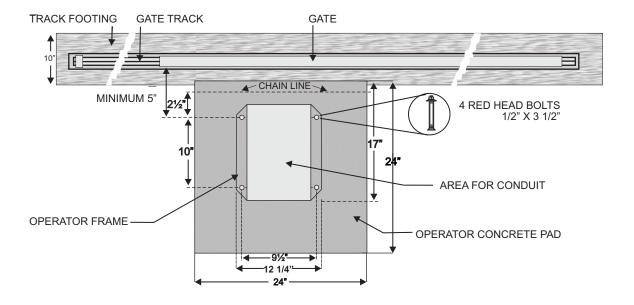
TYPE D:

• Actuating device requiring continuous pressure to maintain opening or closing motion of the gate.

SPECIFICATIONS

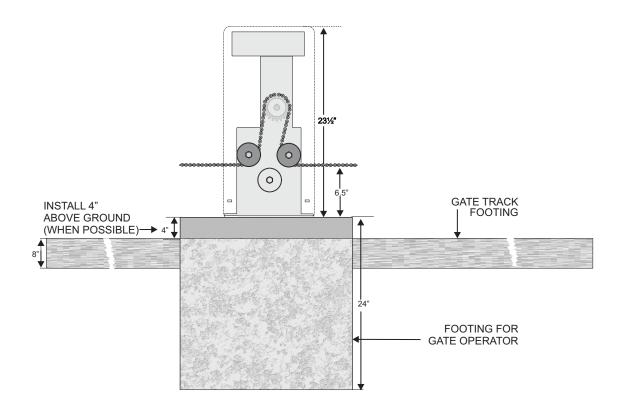
	SL-100 AC SL-100 ACFP	SL-150 AC
Max Gate Weight	1,000 lbs.	1/2 HP: 1,500 lbs. 1 HP: 2,500 Lbs
Max Gate Length	SL-100 AC: 37 feet SL-100 ACFP: 40 feet	60 feet
Warranty	7 year residential 5 year commercial	7 year residential 5 year commercial
Motor	1/2 HP	1/2 HP & 1 HP
Gate Speed	12" per second	12" per second
Power	115 VAC single phase 4.3 amps	115 VAC single phase 1/2 HP: 6.2 amps - 1 HP: 8.4 amps
Duty Cycle	Continuous	Continuous
Temperature Range	-40° to 160°	-40° to 160°
Gear Box Ratio	SL-100 AC - 10:1 SL-100 ACFP - 20:1	30:1 with internal clutch
Dimensions	12" W X 17.5" L X 23.5" H	15" W X 19.5" L X 25" H
Shipping Weight	100 lbs.	150 lbs.
Emergency Release	SL-100 AC: Push open with power off SL-100 ACFP: Foot pedal release	Foot pedal release
Belt Size	SL-100 AC: 4L-300 SL-100 ACFP: 4L-260	N/A
Main Sprocket	41B22 X 7/8" bore	40B22 X 1" bore
Chain Size	41NP (20' included)	40NP (20' included)
Gear Box Sprocket	SL-100 AC: N/A SL-100 ACFP: 41B14 x 7/8" bore	40B22 X 1" bore
Limit Shaft Sprocket	SL-100 AC: N/A SL-100 ACFP: 41B15 X 5/8" bore	41B10 X 5/8" bore
Breaker Requirement	20 amp dedicated	20 amp dedicated
Gearbox Pulley	SL-100 AC: 5" SL-100 ACFP: 2.5"	N/A
Motor Pulley	2" X 5/8"	N/A
UL Classes	I, II & III	I, II, III & IV

SL-100 AC[FP] CONCRETE PAD

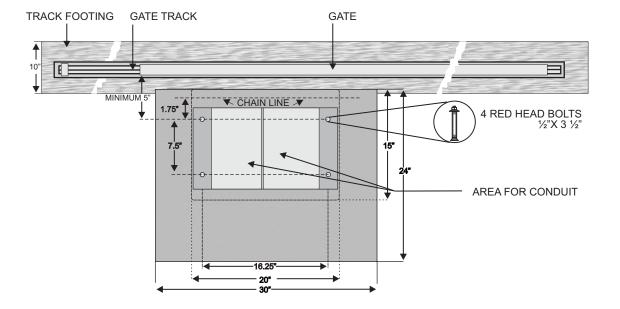


TOP VIEW

FRONT VIEW

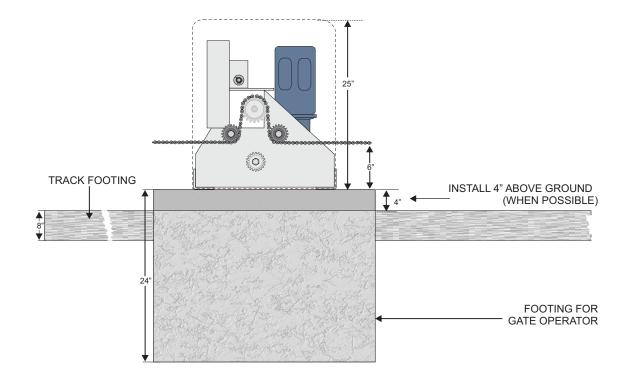


SL-150 AC CONCRETE PAD



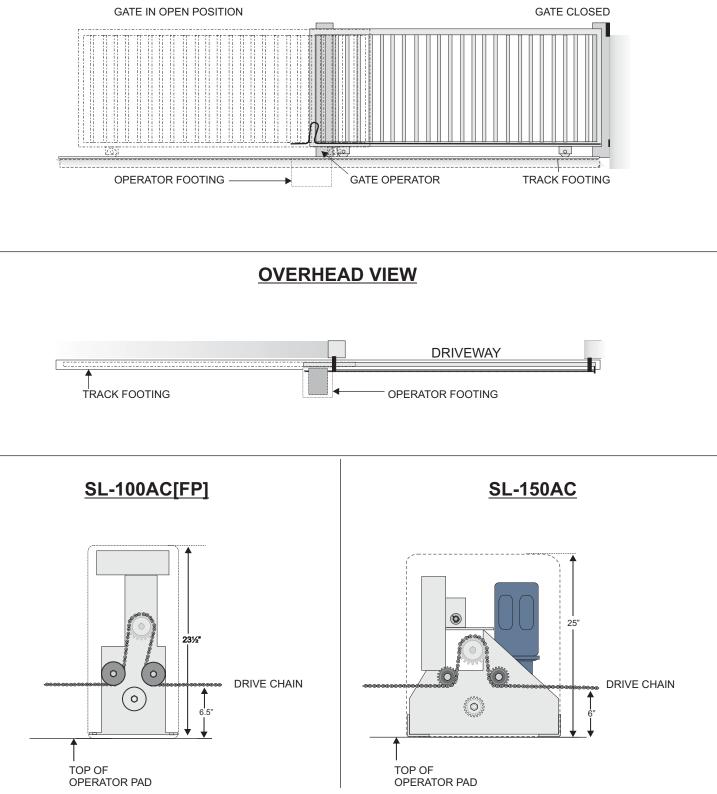
TOP VIEW

FRONT VIEW



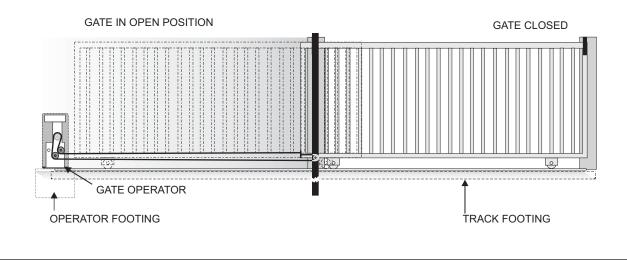
FRONT MOUNT INSTALLATION

FRONT VIEW



REAR MOUNT INSTALLATION

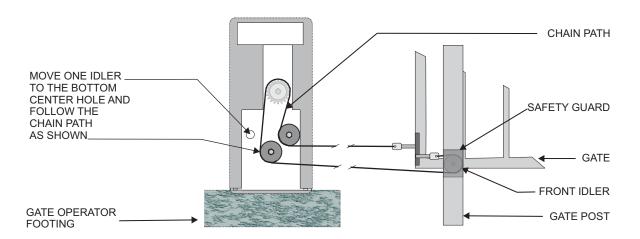
FRONT VIEW



OVERHEAD VIEW

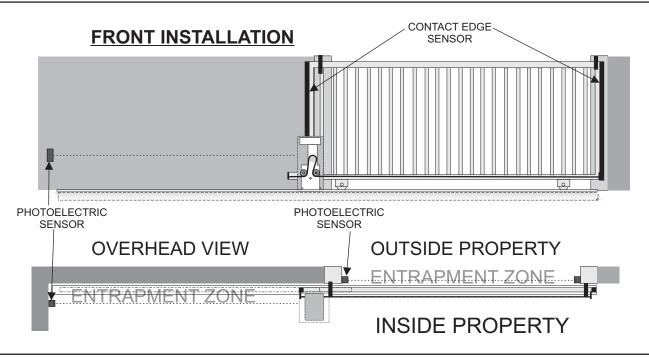


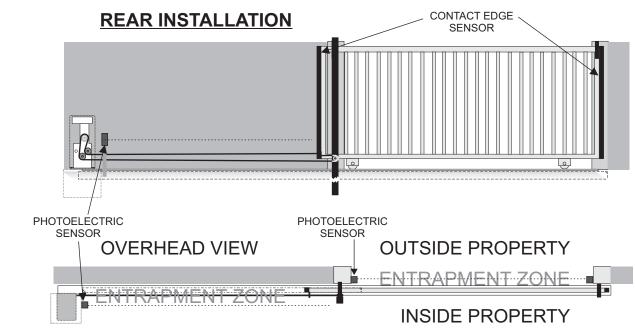
CHAIN CONNECTION TO GATE



ENTRAPMENT PROTECTION INSTALLATION

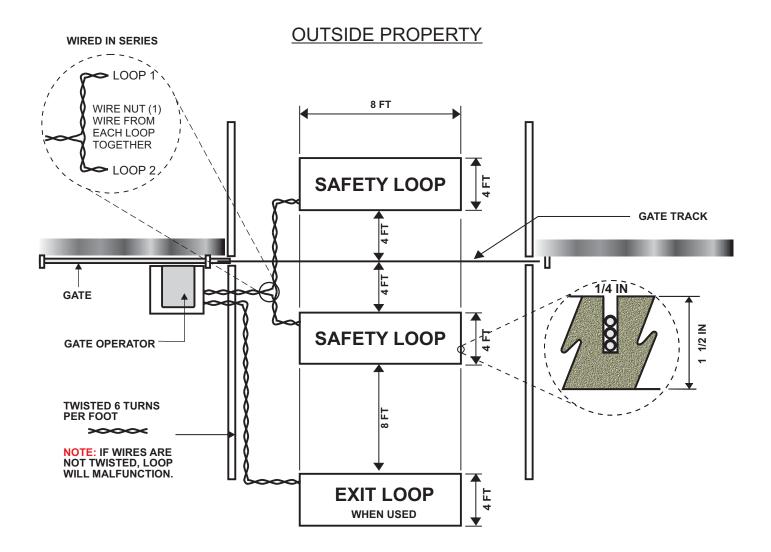
- A minimum of (2) monitored entrapment protection devices are **REQUIRED** for each entrapment zone.
- An entrapment zone is a location or point of contact where a person can become entrapped between a moving gate and a rigid object.
- The operator is equipped with an inherent entrapment protection system (ERD).
- The gate operator requires an external monitored entrapment protection device (non-contact photoelectric sensor or contact edge) for each entrapment zone prior to gate operation. The operator cycles power to the external entrapment protection device and checks for device signals. If the operator does not receive the correct feedback from the device, the gate will not operate.





LOOP LAYOUT

- Below is a typical loop layout. When connecting to an All-O-Matic circuit board, use the following:
 - SAFETY LOOP Normally Closed (N.C.) Contacts
 - EXIT/OPEN CMD Normally Open (N.O.) Contacts (See page 22 for LPR-1 loop rack wiring)
- Loop wires **MUST** be twisted from the exit point of the loop saw cut to the gate operator.
- Twist loop wires 6 turns per foot, as shown below. Improper twisting of wires can cause loop issues.
- When using an inside and outside safety loop, loops must be WIRED IN SERIES.



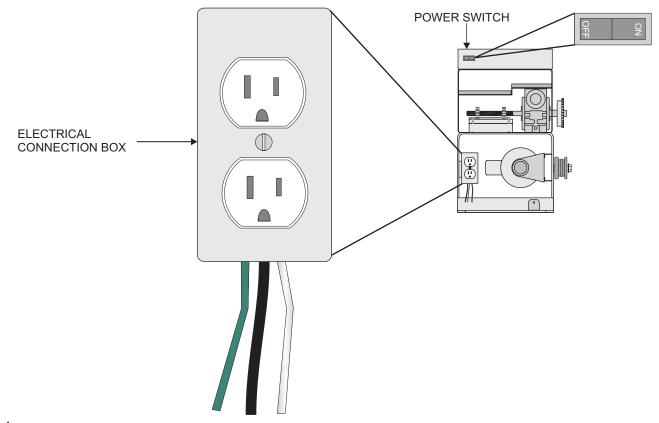
INSIDE PROPERTY

ELECTRICAL CONNECTION

OPERATORS **MUST** BE PROPERLY GROUNDED!

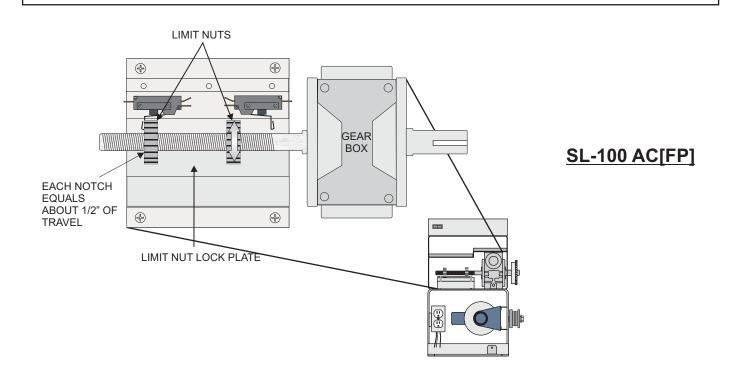
- All gate operators <u>MUST</u> be properly grounded. This minimizes or prevents damage due to electrical charge, such as a near lightning strike or an electrical static discharge.
- Use a single wire for the ground. <u>DO NOT</u> splice two wires for the ground. If the wire breaks or is cut, replace it with a single length wire. <u>NEVER</u> use two wires for the ground.
- · Check the local city code for proper earth ground rod type and grounding procedures.
- Use UL listed conduits for power wire enclosure.
- Use a minimum of a 20-AMP, dedicated circuit for power.

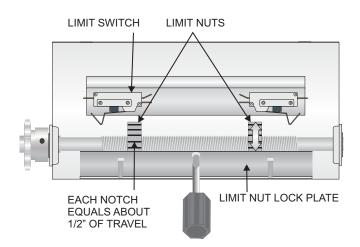
OPERATOR WIRES	120 VAC FROM BREAKER
BLACK	120VAC (HOT)
WHITE	AC NEUTRAL
GREEN	GROUND



Locate the limit switches (limit switches will be in the limit box on SL-150 AC) and follow the steps below:

- 1: Turn the power **OFF** on the operator.
- 2: Push the limit lock plate down (on the SL-100 AC) or outwards (on the SL-150 AC).
- 3: Turn the limit nut toward the switch to DECREASE travel and away from the switch to INCREASE travel.
- 4: Place limit plate back to its locked position. (MUST be done for gate to hold its limits)
- 5: Turn the power <u>ON</u> to the operator.
- 6: Run the gate operator open and close. If additional adjustment is needed, repeat the steps.





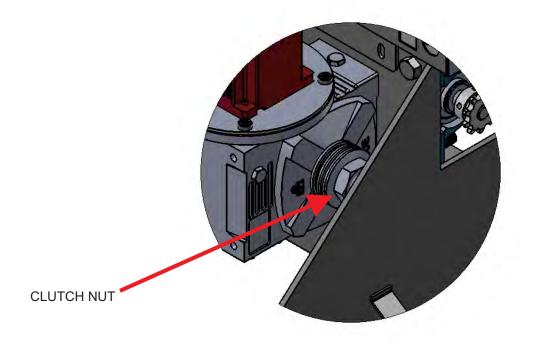
SL-150 AC

The SL-150 AC gearbox is equipped with an internal clutch to protect the operator when gate is reversed in mid-cycle.

The clutch comes from the factory set at 60 lbs. of torque. In some applications, where the gates are heavier than normal, the clutch may require some adjustment to increase the amount of torque. It is important to have the clutch tight enough to be able to move the gate without slipping. It is as important to not over tighten the clutch, as it is a method of protecting the operator.

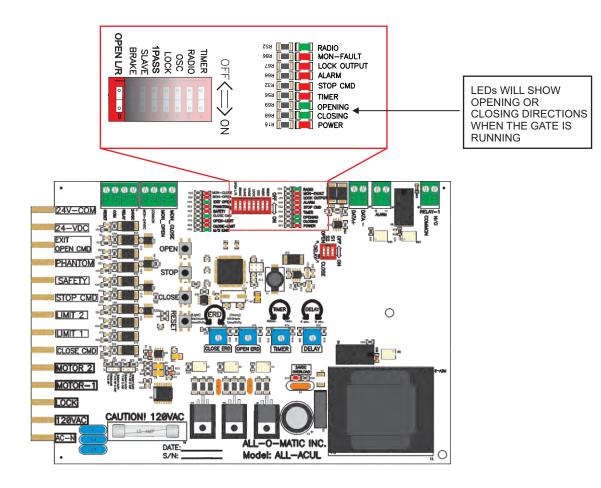
Follow these instructions to tighten the clutch when necessary:

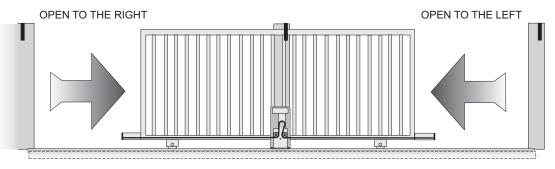
- To increase the torque, use a pipe wrench to turn the clutch nut clockwise.
- Turn the nut 1/2 a turn at a time until the operator is able to move the load of the gate without the clutch slipping.
- Once the operator is able to move the gate without the clutch slipping, turn the nut one full turn. This will allow the operator to move the gate, but also slip when the gate is reversed mid cycle or in the event the gate gets jammed.



GATE OPENING DIRECTION SETTING

- Use OPEN L/R" dipswitch (#8) to change the opening direction of the operator.
- The direction of gate opening is determined from behind the gate operator.
- · LEDs will show opening and closing direction when the gate is moving.
- OPEN L/R switch "OFF" is for left hand opening
- OPEN L/R switch "ON" is for right hand opening





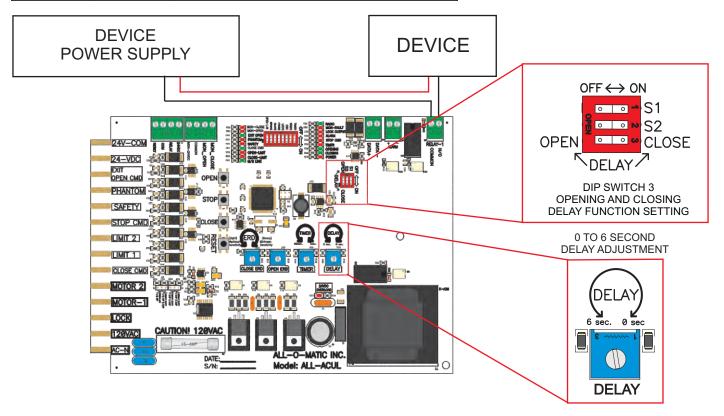
RIGHT AND LEFT HAND OPENING IS FROM BEHIND THE OPERATOR

PROGRAMMABLE RELAY AND LEAF DELAY

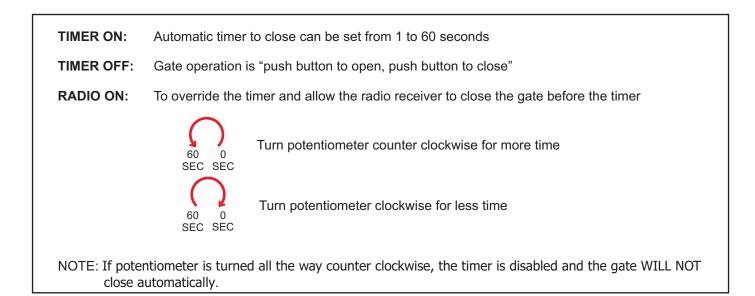
Board model ALL-ACUL includes a programmable relay (N.O.) with four different configurations. See table below for switch settings. Use the "Leaf Delay" potentiometer to adjust the delay time from 0 to 6 seconds.

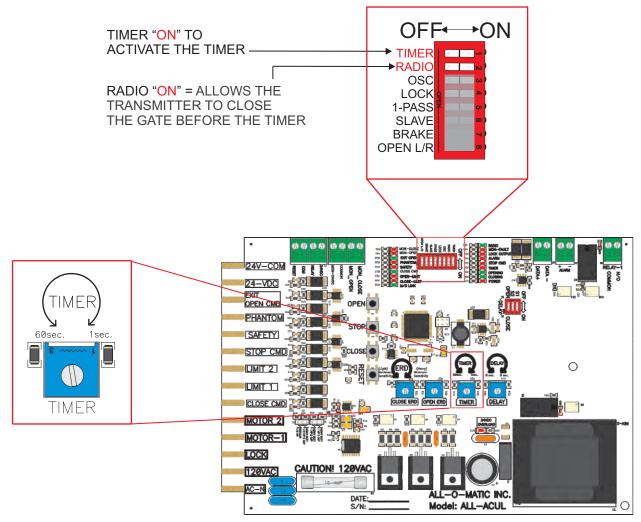
- (1) 1 second pulse for every open start cycle
 - Typically used for a cycle counter
- (2) "ON" when the gate is in motion
 - Typically used for an audible alarm or strobe light to warn when the gate is in motion
- (3) Alarm system output
 - Activates the relay when the gate is forced open
- (4) "ON" when gate is not fully closed - Typically used for an indicator

S1	S2	RELAY FUNCTION
OFF	OFF	ONE SECOND PULSE FOR EVERY OPEN START CYCLE
ON	OFF	ON WHEN GATE IS IN MOTION
OFF	ON	ALARM SYSTEM OUTPUT
ON	ON	ON WHEN GATE IS NOT FULLY CLOSED



TIMER ADJUSTMENT AND RADIO SETTING





DIP SWITCH FUNCTIONS

TIMER

TIMER switch "ON" activates the automatic close timer.

RADIO

RADIO switch "**ON**" allows the radio receiver to override the automatic close timer.

<u>OSC</u>

OSC switch "**ON**" allows the radio receiver to stop and reverse the gate in any direction. During a cycle, the first signal stops the gate. A second signal reverses the gate.

LOCK

LOCK switch "ON" is used when a mag lock is installed. "OFF" is used when a solenoid lock is installed or no lock is installed.

<u>1-PASS</u>

1-PASS switch "**ON**" allows the gate to open until one vehicle goes over the safety loop. Once the vehicle has cleared the loop, the gate will stop and close. If a second vehicle goes over the loop while the gate is closing, the gate will stop. The vehicle must get off of the loop before the gate continues to close, forcing the second vehicle to present valid credentials. This is a true one pass, anti-tailgating feature to be used with safety loops.

SLAVE

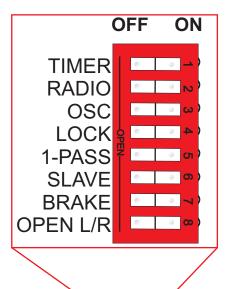
This feature is used in dual gate applications. The **SLAVE** switch will be "**ON**" only on the slave operator. All other dip switches will be "off". **SLAVE** switch will be "**OFF**" on the master operator. Set desired dip switch settings on the master operator only.

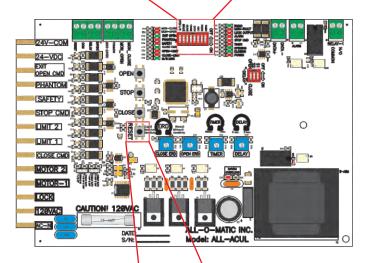
BRAKE

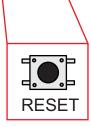
BRAKE switch **"ON"** assists in stopping the gate at the moment of contact between the limit nut and limit switch. This function should only be used on uphill or downhill applications. A 20-amp fuse should be used when this switch is on.

OPEN L/R

OPEN L/R switch "**ON**" is used for right hand opening of the gate. The "**OFF**" position is used for left hand opening of the gate.







NOTE: IF ANY CHANGES ARE MADE TO THE DIPSWITCHES WITH THE POWER ON, PRESS THE MAIN RESET BUTTON TO RECOGNIZE THE CHANGE.

ELECTRONIC REVERSING DEVICE (ERD) ADJUSTMENT

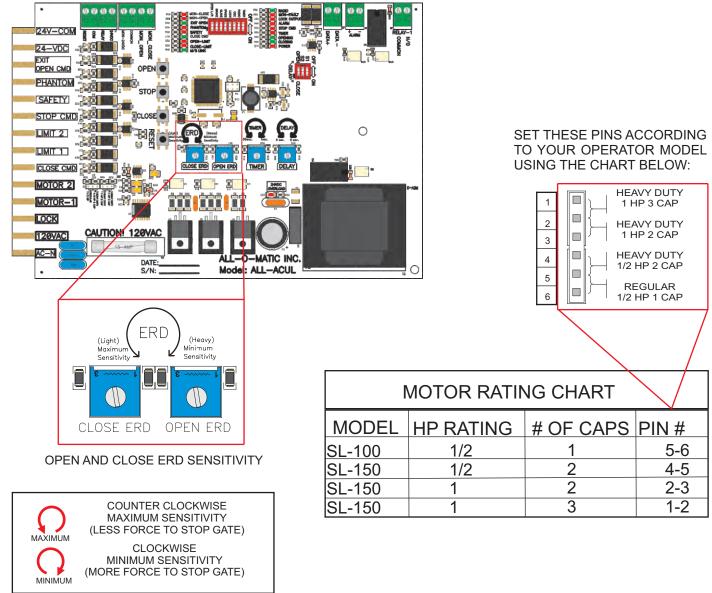
All AC boards are equipped with an Electronic Reversing Device (ERD), which will cause the gate to reverse direction when it comes into contact with an obstruction.

The amount of force required to reverse the gate's direction depends on the ERD sensitivity setting and motor rating. Make sure the ERD jumper is set to the correct pin setting (see chart below).

The ERDs must be adjusted for the operator to provide regular, reliable & safe operations. If the gate reverses direction on its own without hitting an obstruction, the ERD is too sensitive. If the gate does not reverse when it hits an obstruction, the ERD is not sensitive enough.

ERDs must be adjusted by a qualified technician.

The gate operator ERDs shall be tested and adjusted if necessary every six months.



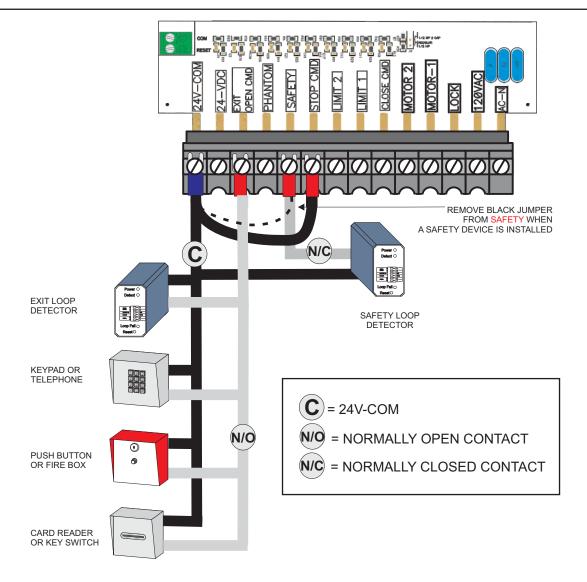
ACCESSORY CONNECTIONS

The circuit board's 24 VDC terminal provides up to 700 mAmps to power accessories such as loop detectors, keypads, etc. If the total current draw of your accessories exceeds the 700 mAmps, a separate power supply (transformer) is required.

When installing a safety loop detector or pedestrian switch or a stop switch, make sure to REMOVE the black jumper between the 24V-COM and SAFETY and/or STOP_CMD terminals.

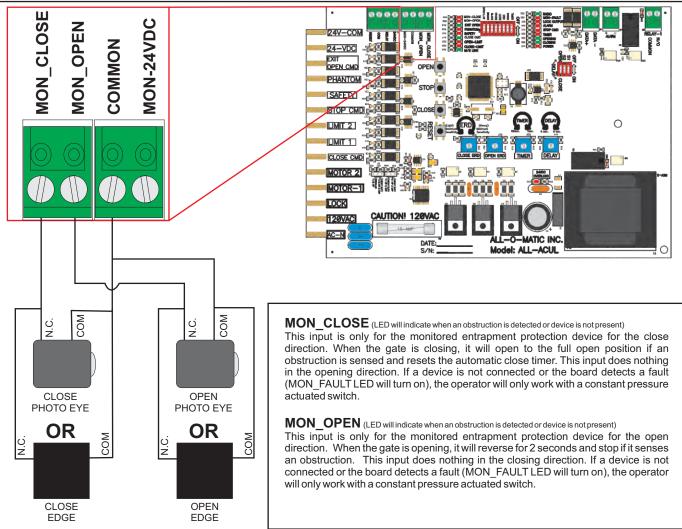
DO NOT use these terminals for monitored entrapment protection device connection. See next page for wiring.

NO Contacts	NC Contacts
Exit Loop Detector	Safety Loop Detector
Keypad	Photo Eye
Telephone System	STOP_CMD
Push Button	
Card Reader	



MONITORED ENTRAPMENT PROTECTION DEVICE CONNECTION

- There are 2 types of sensors that can be connected to the gate operator for UL 325 monitored entrapment compliance: non-contact sensors (photo eye) and contact sensors (edge sensors).
- Monitored entrapment protection devices use <u>4 wires</u> to connect to the board. From the device, connect the RELAY COMMON to the board COMMON and the NORMALLY CLOSED relay contact to the assigned MON_OPEN or MON_CLOSE input. Connect the power wires to the COMMON and MON-24VDC.
- <u>IMPORTANT</u>: You must use the MON-24VDC to properly monitor entrapment protection devices. To turn this voltage
 on for <u>initial setup</u>, press the reset button on the board. Do not use the 24 VDC terminal on the board's terminal strip.
- <u>NOTE:</u> The power to the **MON-12/24VDC** terminal will be off when the gate is at rest (not moving). It will be normal to see the **MON_OPEN** and **MON_CLOSE** LEDs when the gate is closed. If the auto close timer is **OFF** it will do the same when the gate is at rest in the open position. Also, if no devices are connected both of these lights will stay ON.
- Please refer to the device manufacturer wiring instructions for details, making sure to follow the normally closed wiring directions. Some devices may work on monitoring interfaces other than normally closed.
- Should there be a need for more than 1 entrapment protection device for each direction, use a multi-input module from Miller Edge (model: MIM-62).



MONITORED ENTRAPMENT PROTECTION DEVICE CONNECTIONS

ENFORCER E-960-D90GQ/ E-931-S33RRGQ / E-931-S50RRGQ		
CONTACT	BOARD TERMINAL	
N.C.	MON_CLOSE OR MON_OPEN	
СОМ	COMMON	
12-30 VDC/AC	COMMON	
12-30 VDC/AC	MON_12/24VDC	

OMRON E3K-R10K4-NR		
SWITCH	CONTACT	BOARD TERMINAL
LIGHT ON	N.O.1	MON_CLOSE OR MON_OPEN
	СОМ	COMMON
	24 TO 240 VAC	COMMON
	24 TO 240 VAC	MON_12/24VDC

EMX NIR-50		
WIRE	BOARD TERMINAL	
BLACK	MON_CLOSE OR MON_OPEN	
WHITE	COMMON	
BLUE	COMMON	
BROWN	MON_12/24VDC	

TRANSMITTER SOLUTIONS iGAZE RE KIT		
SWITCH	CONTACT	BOARD TERMINAL
ALL OFF	N.C.1	MON_CLOSE OR MON_OPEN
	COM	COMMON
	(-) 12/24 VDC	COMMON
	(+) 12/24 VDC	MON_12/24VDC

ENFORCER E-936-S45RRGQ		
WIRE	BOARD TERMINAL	
BLACK	MON_CLOSE OR MON_OPEN	
WHITE	COMMON	
BLUE	COMMON	
BROWN	MON_12/24VDC	

EMX IRB-RET / IRB-MON		
SWITCH	CONTACT	BOARD TERMINAL
SW1 - OFF	N.C.	MON_CLOSE OR MON_OPEN
SW2 - OFF	СОМ	COMMON
SW3 - OFF	POWER/ VRX	COMMON
SW4 - ON	POWER/ VRX	MON_12/24VDC

TRANSMITTER SOLUTIONS R50R-UL/R32P-UL/SR33HD/SR66HD		
CONTACT	BOARD TERMINAL	
N.C. (3)	MON_CLOSE OR MON_OPEN	
COM (5)	COMMON	
NON POLARITY (1)	COMMON	
12-30 VDC/AC (2)	MON_12/24VDC	

EMX WEL-200	
CONTACT	BOARD TERMINAL
RELAY CLOSE (NC) RELAY OPEN (NC)	MON_CLOSE MON_OPEN
RELAY CLOSE (COM) RELAY OPEN (COM)	COMMON COMMON
POWER	COMMON
POWER	MON_12/24VDC

ALLEN BRADLEY GRU-24	
WIRE	BOARD TERMINAL
BLACK	MON_CLOSE OR MON_OPEN
ORANGE	COMMON
BLUE	COMMON
BROWN	MON_12/24VDC

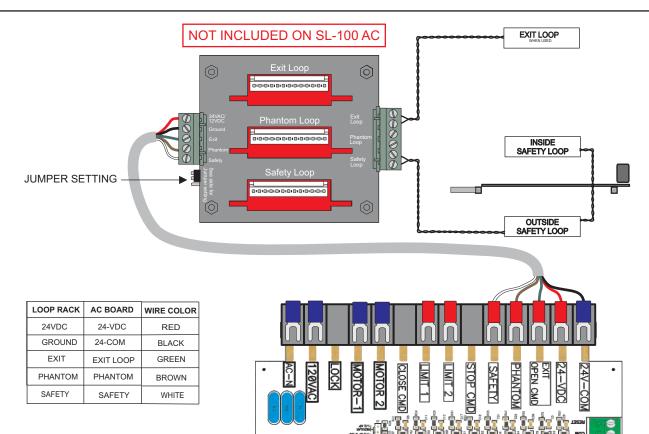
EMX IRB-325	
CONTACT	BOARD TERMINAL
N.C.	MON_CLOSE OR MON_OPEN
СОМ	COMMON
POWER	COMMON
POWER	MON_12/24VDC

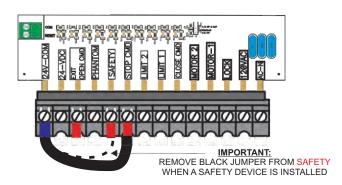
MILLER EDGE REFLECTI-GUARD/RG-K	
CONTACT BOARD TERMINAL	
TB 2 - N.C.	MON_CLOSE OR MON_OPEN
TB 2 - COM	COMMON
TB 1 - POWER IN (-)	COMMON
TB 1 - POWER IN (+)	MON_12/24VDC

MILLER EDGE RBAND MINIMUM 6 WIRES REQUIRED		
SWITCH CONTACT		BOARD TERMINAL
SW 1 -	CS 1	MON_CLOSE
ON	CS 2	MON_OPEN
SW 2 -	CS 1	COMMON
OFF	CS 2	COMMON
SW 3 -	COM.A	COMMON
ON	TEST	MON_12/24VDC
SW 4 -	12/24 (+)	24-VDC
ON	AC/DC	GROUND

LOOP RACK INSTALLATION

- The SL-100ACFP and SL-150AC models come equipped with the pre-wired LPR-1 loop rack for safety and exit plug in loop detectors, making installation quick and efficient.
- Hardwired loop detectors with harnesses can also be installed. The circuit board has 24 VDC and 120 VAC terminals to power the detector of your choice. See "Accessory Connections" page for wiring instructions.
- Wire one or more safety devices **in series** with the loop rack wires. To do this, remove the white wire **(N.C.)** from the loop rack off of the SAFETY terminal on the circuit board and wire nut to the COM of the additional device. Connect the N.C. contact of the additional device to the SAFETY terminal of the board.
- **IMPORTANT:** Use different frequencies for each loop detector to eliminate interference.

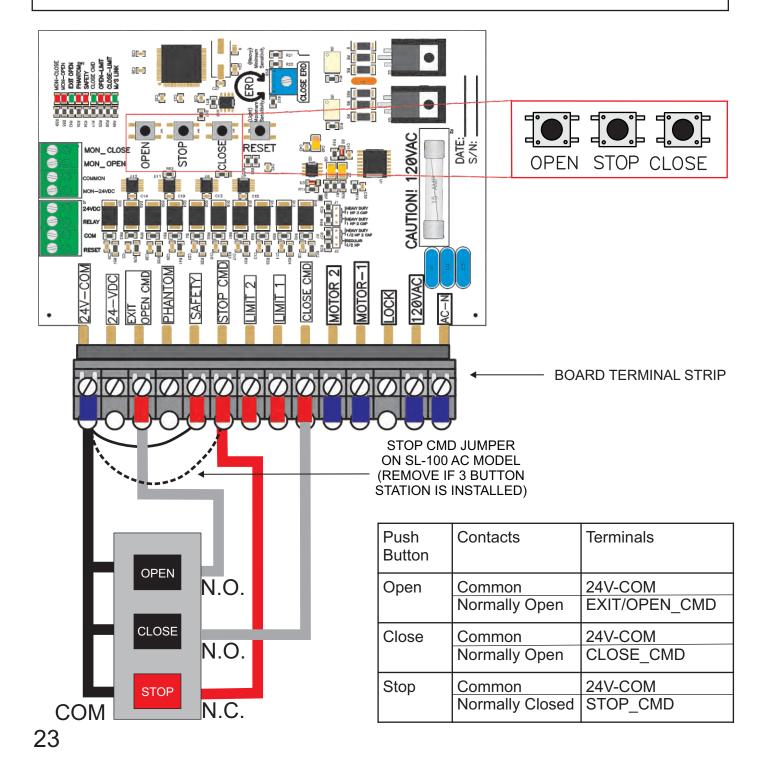




COMPATIBLE PLUG IN DETECTORS			S
BRAND	MODEL	JUMPER SI	ETTING
RENO A&E	H2	•••	OFF
EDI	LMA-1800		OFF
DIABLO	DSP-40S	• •	ON
DIABLO	DSP-55	•••	OFF
DIABLO	DSP-50		OFF
NORTHSTAR	NP2-ES	• •	ON

THREE-BUTTON STATION CONNECTION

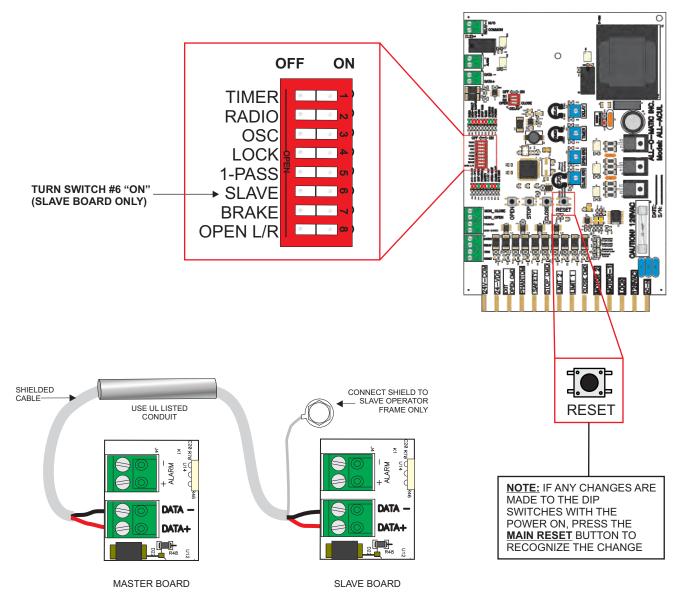
- A three button station and reset push button are integrated on the board to make limit and ERD adjustments easier.
- An external three button station may also be installed. See diagram below for wiring instructions,
- **NOTE:** On SL-100 AC model, **STOP CMD** jumper must be removed if a three button station is installed.



MASTER/SLAVE CONNECTION

BEFORE CONNECTING MASTER/SLAVE COMMUNICATION WIRES, TAKE THE FOLLOWING STEPS:

- 1: Test and adjust the limit switches and ERDs for each operator as stand alone machines.
- 2: Once the machines have been adjusted, turn <u>slave</u> dip switch <u>"ON"</u> on the slave board. Press the <u>RESET</u> button on the slave board or reset the power.
- Connect the master/slave communication wires to <u>"DATA -"</u> and <u>"DATA +"</u>. The "M/S LINK" LED should be "ON" on both machines.
- 4: Connect all accessories to the master operator. Accessories installed on the slave operator <u>will not work.</u> (Note: Accessory power may be connected to the slave operator, but relay wires must be connected on the master operator.)



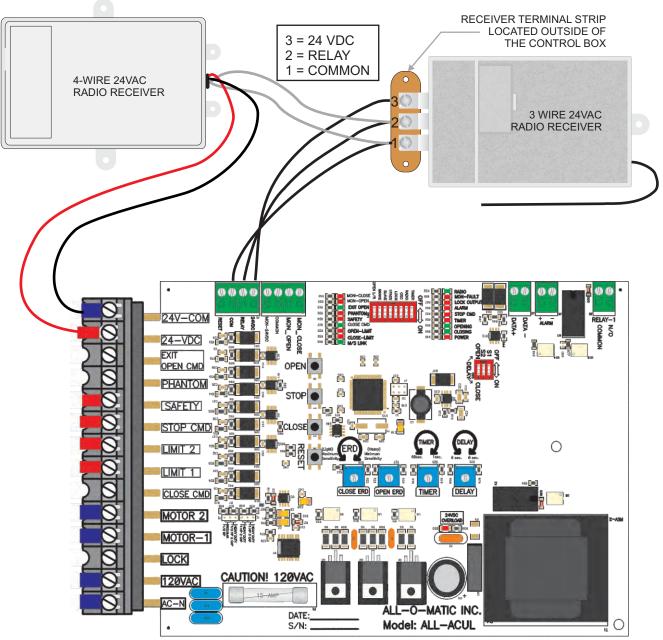
RADIO RECEIVER CONNECTION

There are two types of receivers: 3-wire and 4-wire:

3 wire receivers can mount on the radio receiver terminal strip located outside of the control box.

For 4 wire receivers, connect the 2 gray wires to terminals 1 and 2 on the receiver terminal strip located outside of the control box. Connect the black wire to the 24V-COM and the red wire to the 24 VDC on the board terminal strip as shown below.

RADIO dip switch ON allows the radio receiver to override the automatic close timer.



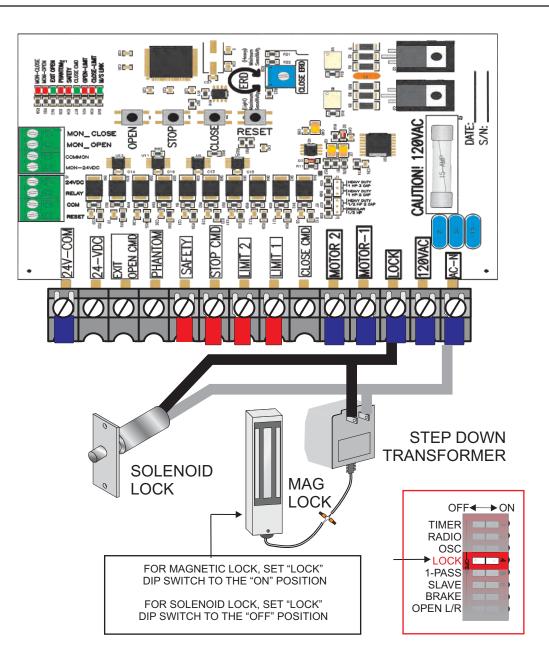
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A magnetic lock installation requires a step down transformer with appropriate voltage specific to the lock accessory and two wires.

When using a magnetic lock, the LOCK dip switch (#4) must be turned ON. The "LOCK OUTPUT" LED will turn on to show the lock is magnetized.

When using a solenoid lock, the LOCK dip switch (#4) must be turned OFF.

AC-N and **LOCK** from the board terminal strip supply 120 VAC to power the transformer and control the lock. Connect low voltage wires from the transformer directly to the lock, as shown below. **Connecting the mag lock** straight to the board will cause damage to the board and mag lock.



EMERGENCY RELEASE INSTRUCTIONS

Procedures to manually open the SL-100 ACFP and SL-150 AC:

- 1. Turn operator power "OFF".
- 2. Push foot pedal down and move to the left to lock pedal in down position.
- 3. Push gate open.

NOTE: These operators are equipped with a kill switch on foot pedal. Even if operator power is turned ON, the operator will not run while the foot pedal is down. The **STOP CMD** LED will indicate the foot pedal is pressed down.



Procedures to manually open the SL-100 AC:

- 1. Turn power "OFF".
- 2. Push gate open or use crank (provided with each operator).

MANUFACTURER'S LIMITED WARRANTY

ALL-O-MATIC INC warrants the following gate operators (SL-100 AC[FP] and SL-150AC) for a period of five (5) years in commercial installations and for a period of seven (7) years in residential installations. The above operators, within their warranty period, are to be free from defects in circuitry, motor, gearbox and workmanship. This warranty begins from the date of purchase to the original owner. Warrantor will repair or, at its option, replace any device which it finds to require service. This device must be sent to the warrantor at the consumer's expense to:

ALL-O-MATIC INC. 7820 GLORIA AVE. VAN NUYS, CA 91406

The warrantor will return the repaired or replaced unit to the customer at the consumer's expense. Labor charges for dealer service or replacement are the responsibility of the owner. These warranties are in lieu of all other warranties either expressed or implied, and ALL-O-MATIC INC shall not be liable for consequential damage. All implied warranties of merchantability and or fitness for a particular purpose are hereby disclaimed and excluded. This limitation is not valid in jurisdictions which do not allow limitation of incidental or consequential damages or limitation of warranty periods. In order to obtain this policy, please complete the registration card and send it by mail within 30 days of purchasing from ALL-O-MATIC INC. or your installer. If the product is not registered, only a one year warranty on all parts will be provided.

CUSTOMER RECORD

Customer Name	
Address	
Purchased from (Installation Co.)	
Date	
Model Number	
Serial Number -	







UL 325 & UL991 COMPLIANT

CANADA CSA C22.2 COMPLIANT

MANUAL