

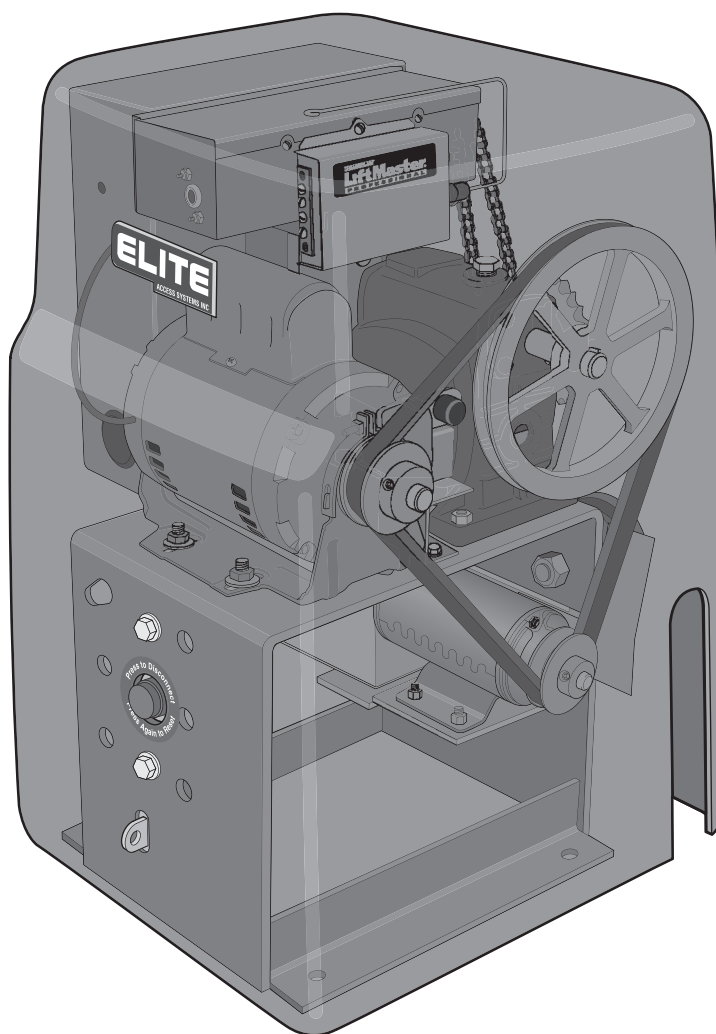
CHAMBERLAIN®

**ELITE™**

# Addendum

## to the SL3000UL™ series owners manual

Release Date 07/05

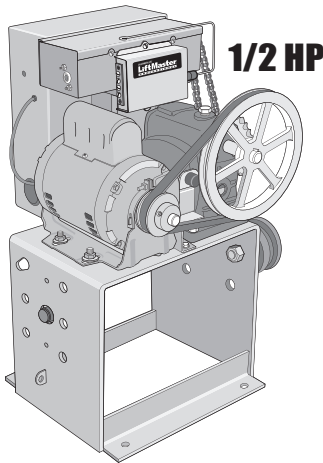


# SL3000ULE™ series

“manually push vehicular gate open for emergencies”

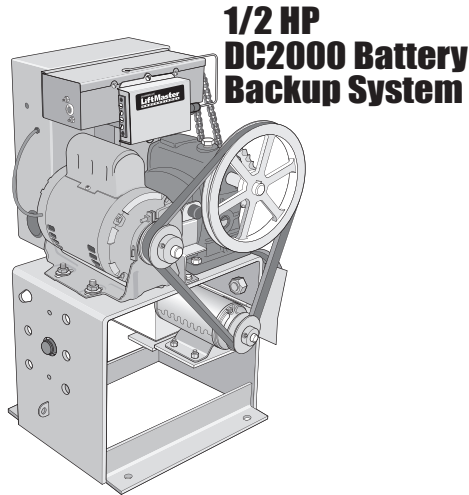
*Manual Backdrive*

## SL “E” Series Specifications



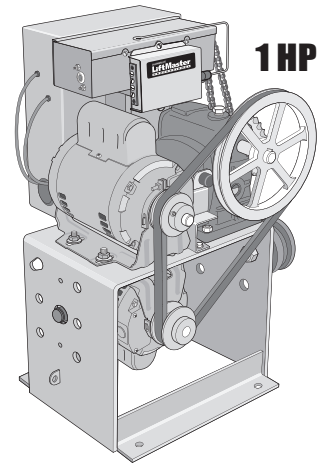
**SL3000ULE™**

1/2 hp Motor, 120 Vac, 4 Amp.  
 Maximum Gate Length – **37 ft.**  
 Maximum Gate Weight – **1000 lbs.**  
 Maximum Pull – **105 lbs.**



**SL3000ULDCE™**

1/2 hp Motor, 120 Vac, 4 Amp.  
 Maximum Gate Length – **37 ft.**  
 Maximum Gate Weight – **1000 lbs.**  
 Maximum Pull – **105 lbs.**



**SL3000UL1HPE™**

Two 1/2 hp Motors, 120 Vac, 8.4 Amp.  
 Maximum Gate Length – **37 ft.**  
 Maximum Gate Weight – **2000 lbs.**  
 Maximum Pull – **180 lbs.**

*The 1 HP **Can Not** have the DC2000 Battery Backup system.*

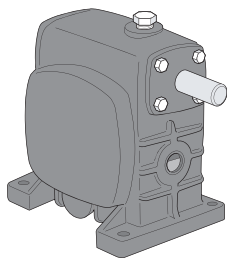
**E** - Backdrive Gear Reducer

**DC** - Factory Installed DC2000 Battery Backup System

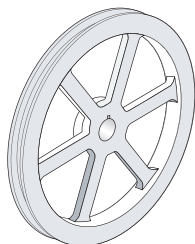
**1HP** - One Horse Power

## SL “E” Series Unique Parts

These parts will **ONLY** work on the SL3000ULE™ series operators. Refer to page 50 and 51 in the manual for the rest of the SL3000ULE™ series parts (Common to both SL3000UL™ and SL3000ULE™ operators).



Backdriveable Gear Reducer  
 (10:1 Ratio, Dark Grey)  
 32-50091-10



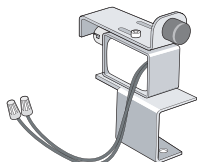
Spoked Pulley  
 K17-51210

1 HP Belt  
 16-51219

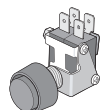
1/2 HP DC2000 Backup Belt  
 16-20424



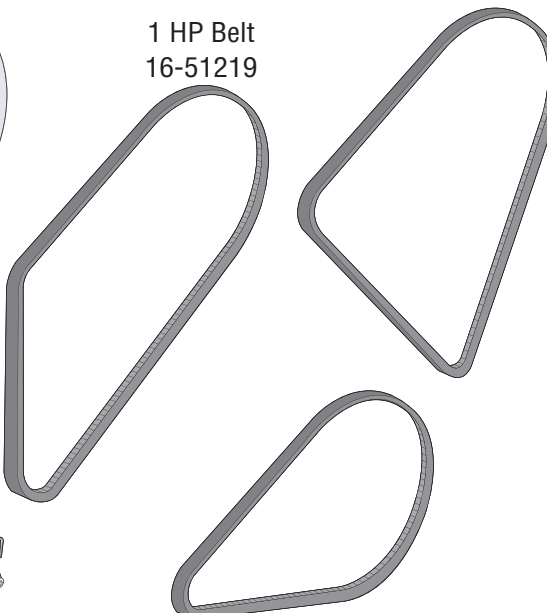
Solenoid Brake Relay  
 24-51233



Solenoid Brake  
 K76-51230



Stop/Reset Button  
 02-51227



1/2 HP Belt  
 16-51209



Polyethylene Cover  
 K13-51216

# **IMPORTANT SAFETY INSTRUCTIONS**

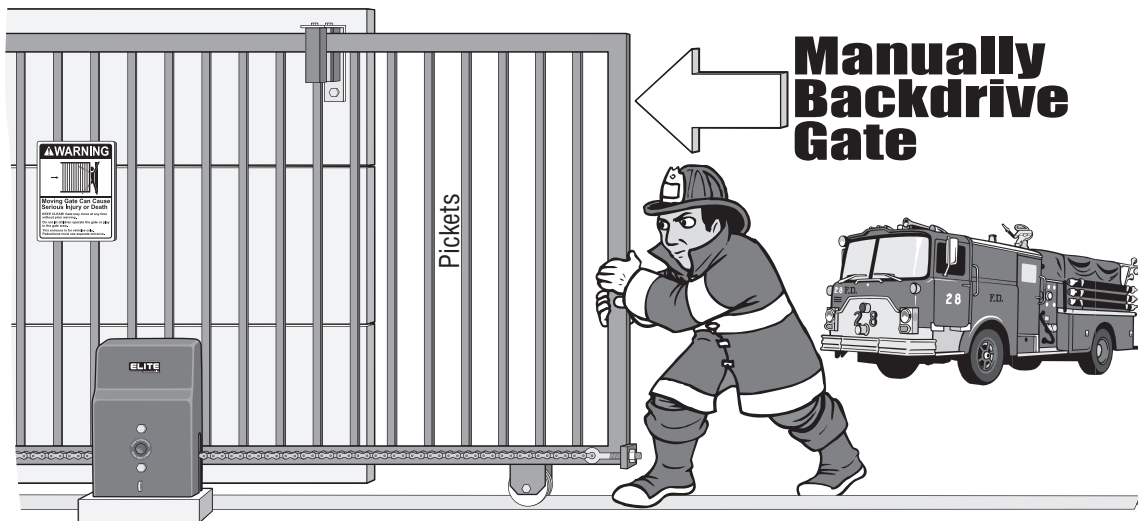
## **⚠ WARNING**

***To reduce the risk of SEVERE INJURY or DEATH:***

- **READ AND FOLLOW ALL INSTRUCTIONS.**
- This operator is intended for installation **ONLY** on gates used for **VEHICLES**.
- Pedestrians **MUST** be supplied with a separate access opening.
- Please read **ALL** the safety pages 4 through 13 in the SL3000UL™ manual before installing operator.
- Please read this entire addendum to understand how the features of the “E” series operator differs from the SL3000UL™ series.
- **SAVE THESE INSTRUCTIONS.**

## **Manually Backdriving Gate**

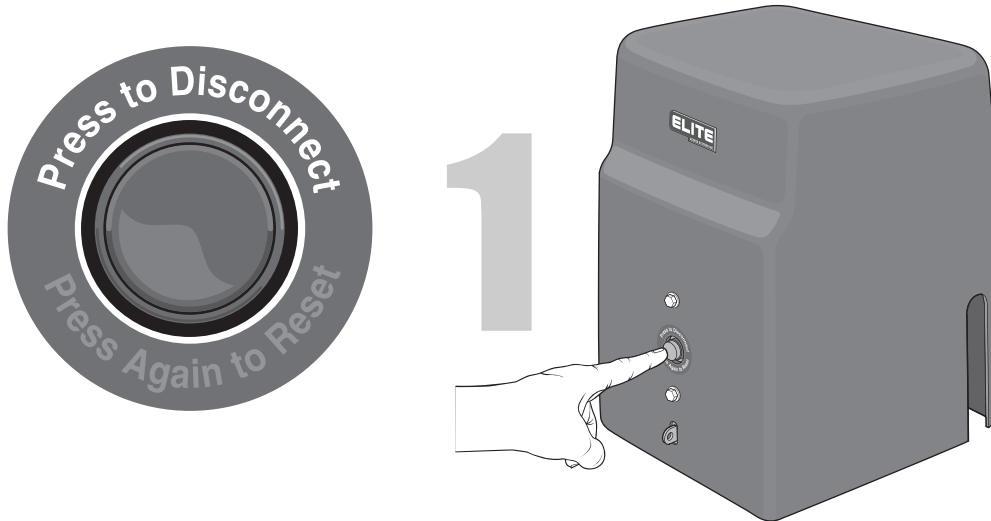
This operator has a feature to manually push the gate open in an emergency or when power is not available to the operator. See the next page for correct procedure.



**Push FIRMLY from end of gate to manually open.  
DO NOT push the gate from pickets, they will bend!**

**Stop/Reset Button for Emergency Manual Release**

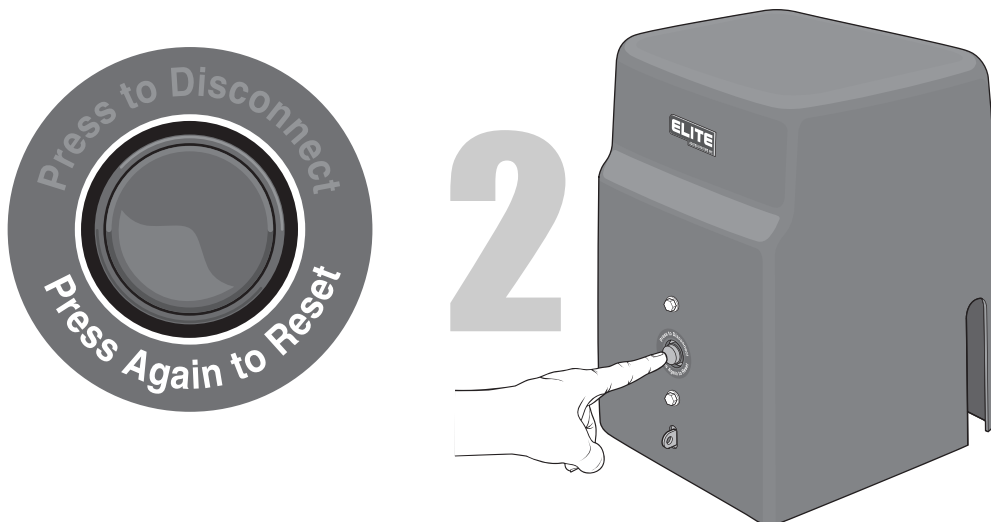
**When AC or DC power is present:  
Press button **ONCE** to disengage the solenoid brake**



Gate can now be *manually* pushed to open (Backdriven).

(See **Addendum Page 4 Solenoid Brake Description**)

**Press button **AGAIN** to reset operator**

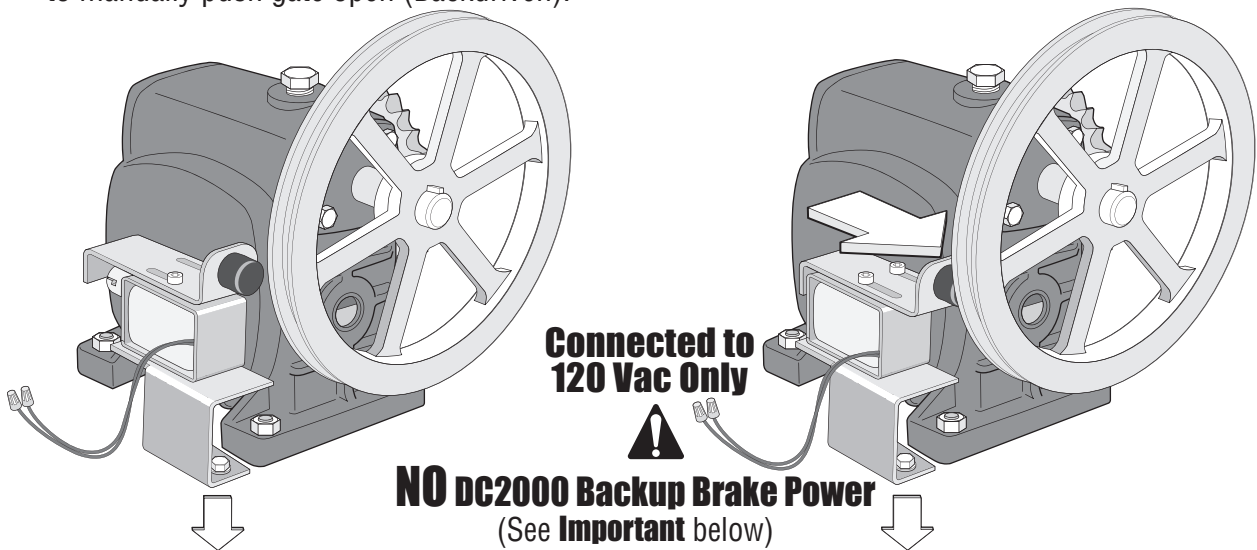


**Solenoid Brake is Engaged.**

Gate can *no longer* be manually pushed to open.

## Solenoid Brake Description

Brake will keep spoked pulley from moving when engaged. Brake **MUST** be disengaged to manually push gate open (Backdriven).



### Solenoid Brake Disengaged

- Operator's normal gate cycle.
- AC power failure.
- Stop/Reset button has been pressed **ONLY once**.

### Solenoid Brake Engaged

- Gate in closed position with normal AC power.
- Stop/Reset button has been pressed **twice**.

## Optional Factory Installed DC2000 Backup System

Opens or closes the gate with **dedicated devices** wired directly to the DC2000 when the AC power fails at the operator. (Refer to pages 30 through 32 in the manual)

### ⚠ WARNING

To reduce the risk of INJURY, dedicated devices **MUST** be far enough from the gate so that the user is prevented from coming in contact with the gate while operating the controls.

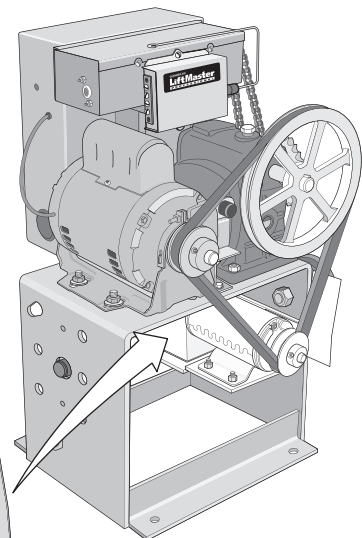
### IMPORTANT

The DC2000 **WILL NOT** operate an Emergency Key Switch (Knox Box) wired to the operator's surge suppressor when the AC power fails at the operator.

If this AC power failure occurs, **the solenoid brake will be disengaged regardless of the DC2000's battery power**. The gate can be manually pushed opened at any time as long as there is **NO** AC power at the operator.

(See above and Fire/Police Key Access **Addendum Page 5**)

Contact your local municipalities for more information on correct emergency vehicle access operator installation and procedures.



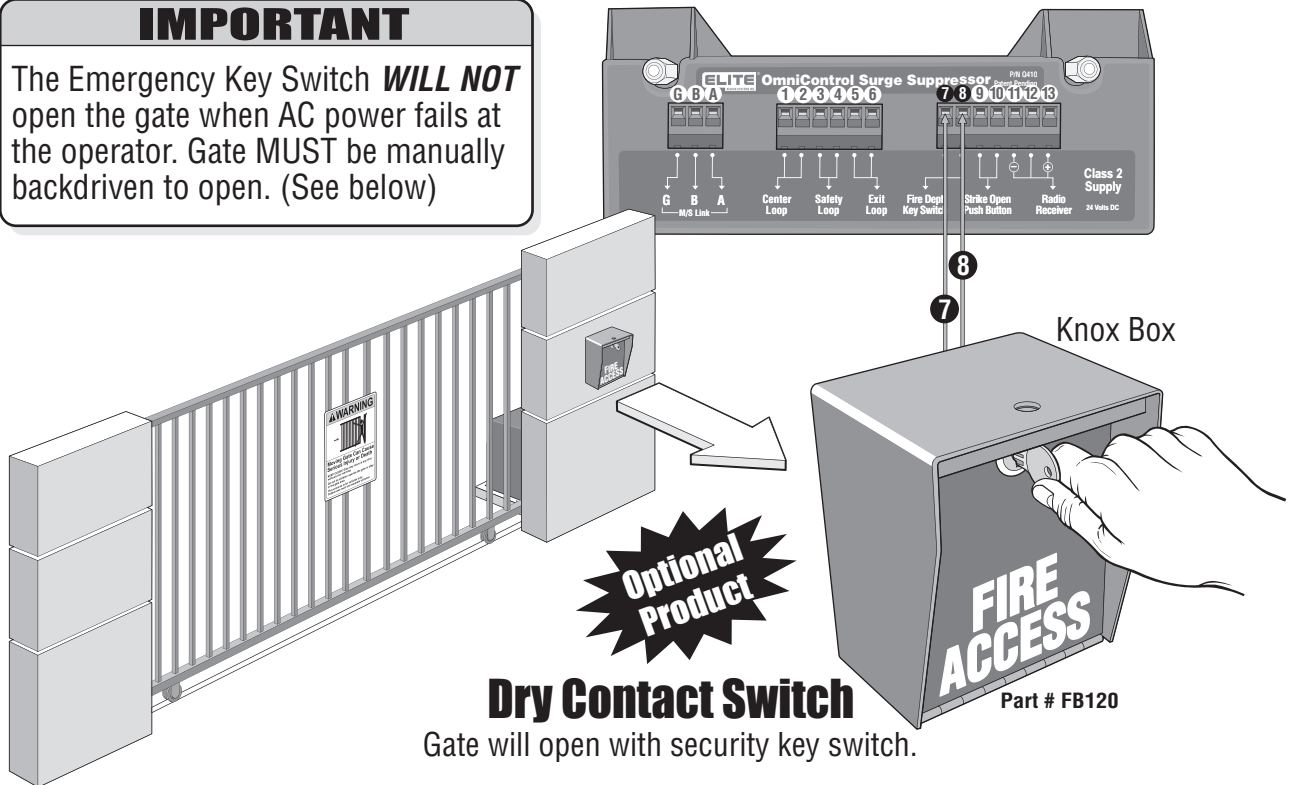
**SL3000ULDCE™**

## Optional Fire/Police Key Access

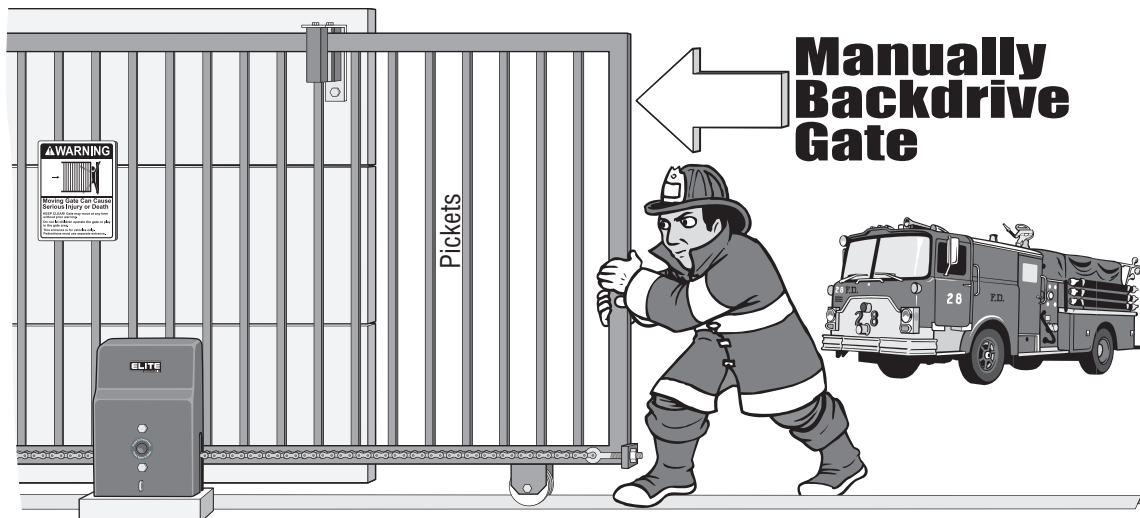
Typical setup for emergency key access, contact your local municipalities for more information.

### IMPORTANT

The Emergency Key Switch **WILL NOT** open the gate when AC power fails at the operator. Gate **MUST** be manually backdriven to open. (See below)

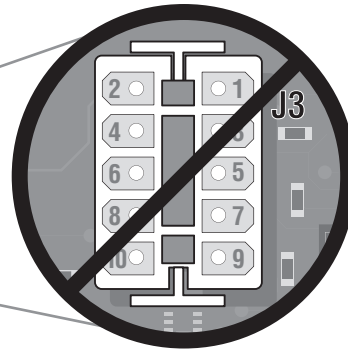
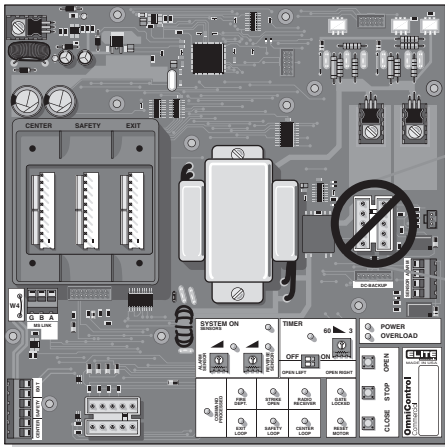


## Manually opening gate in case of AC Power Failure for Emergency Vehicles ONLY!



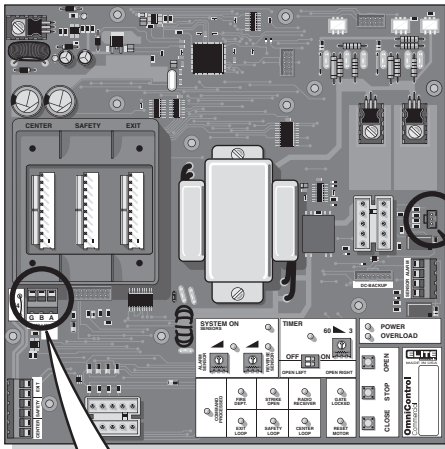
**Push FIRMLY from end of gate to manually open. DO NOT push the gate from pickets, they will bend!**

## NO Solenoid/Maglock J3 Connection

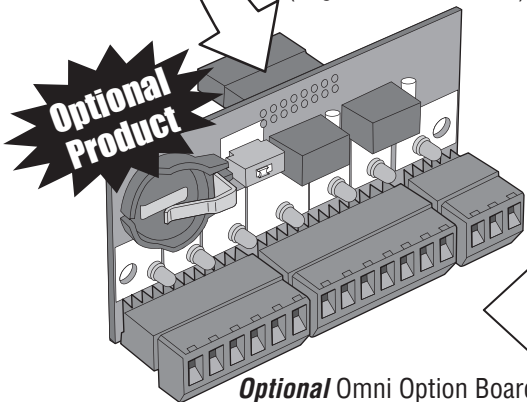


**DO NOT** connect a Solenoid or Magnetic Lock through the J3 connection.

## Solenoid/Maglock Connection Options

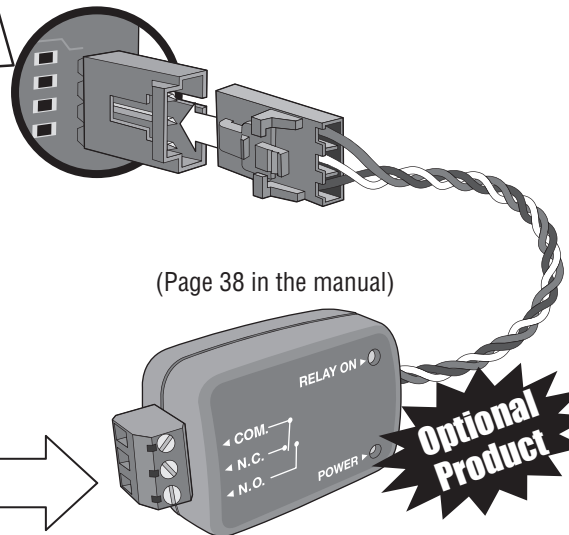


(Page 36 in the manual)



**Optional** Omni Option Board  
Part # OMNIEXB

**Relay Contact Rating**  
0.5 A - 125 Vac  
1 A - 24 VDC



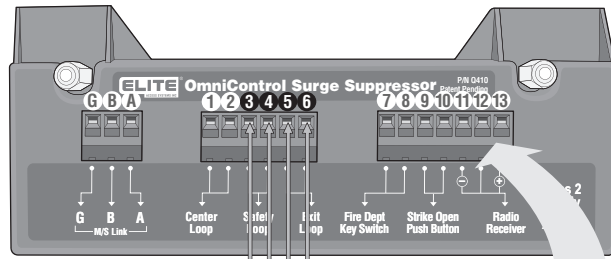
(Page 38 in the manual)

**Optional** Plug-In Relay Adapter Module  
Part # K74-50276

**Relay Contact Rating**  
2 Amp - 125 AC/DC  
2 Amp switching load capability

**OR**

## Optional External Loop Detector Wiring



**External 110 Vac “Safety” Loop Detector** - Allows gate to stay open when vehicles are obstructing path. **Caution:** Suggested for vehicles 14 feet or longer.

If the “*Inside*” and “*outside*” safety loops are connected to the **same** loop detector:

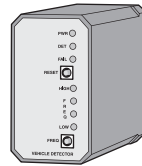
- They should be series connected to the detector
- Have the same dimensions. (Page 41 or 42 in the manual)
- Have the same number of wire turns. (Page 43 in the manual)



### **WARNING**

To reduce the risk of shock **DO NOT** wire 110 Vac external loop detectors to the surge suppressor power supply ( ⑪ and ⑬ ).

**External 110 Vac “Exit” Loop Detector** - Allows gate to automatically open for exiting vehicles.



**Note:**  
External 110 Vac Loop Detectors  
Part # A79 (Sold Individually)

For installation information about Elite Plug-In Loop detectors, please refer to page 39 in the manual.

