

QuickStart for single gate applications

MODEL RSW12V™ & RSW12VH™

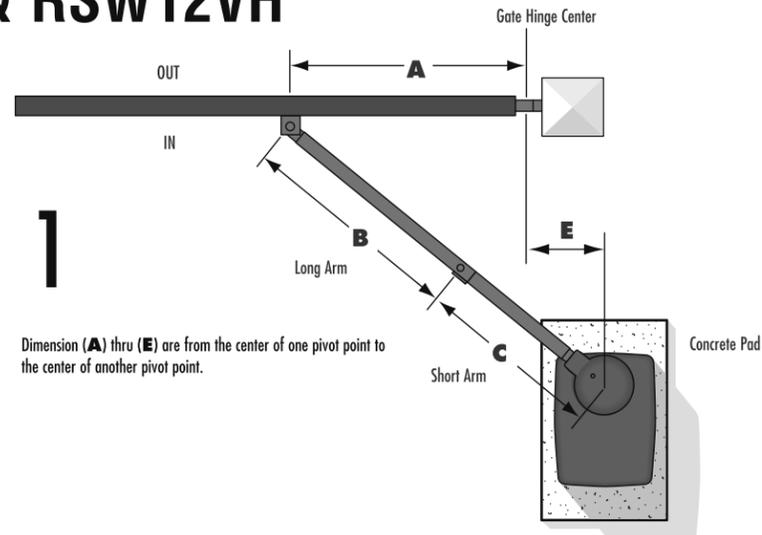
LiftMaster®

ELITE SERIES™

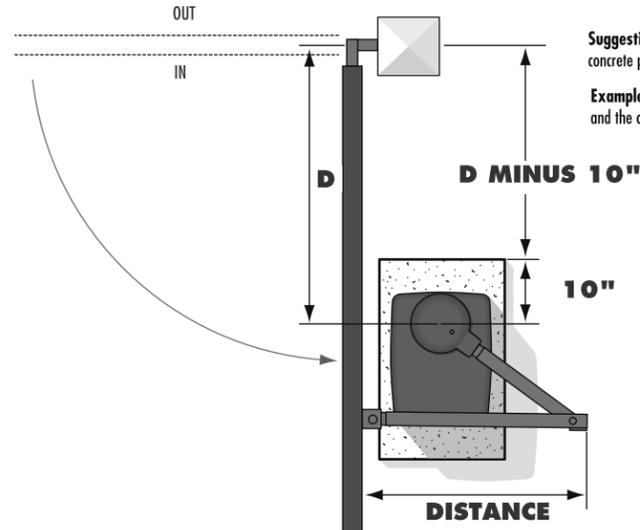
This QuickStart is intended to highlight a single right-hand gate application. Each application is unique and it is the responsibility of the purchaser, installer and end user to ensure that the total gate system is installed and operated properly. Refer to the installation manual for complete information regarding installation, testing and programming.

NOTE: When lifting the operator use the handle to avoid damaging the operator.

- Determine location for the concrete pad according to the charts shown.
- Install the electrical conduit and pour the concrete pad.
- Attach the operator to the concrete pad.
- Weld the gate bracket in position according to the charts shown.
- Weld the long arm section to the correct length as shown in the charts.
- Weld the short arm section to the correct length as shown in the charts.
- Position the operator arm onto the output shaft so that the pin slides into the slot.
- Adjust the nuts on the operator arm so the operator arm fits snug on the output shaft yet still allows enough room to swivel (the handle must be in a 90° position).
- Tighten the handle by pushing it down. Test to make sure the operator arm does not slip on the output shaft.



Dimension (A) thru (E) are from the center of one pivot point to the center of another pivot point.

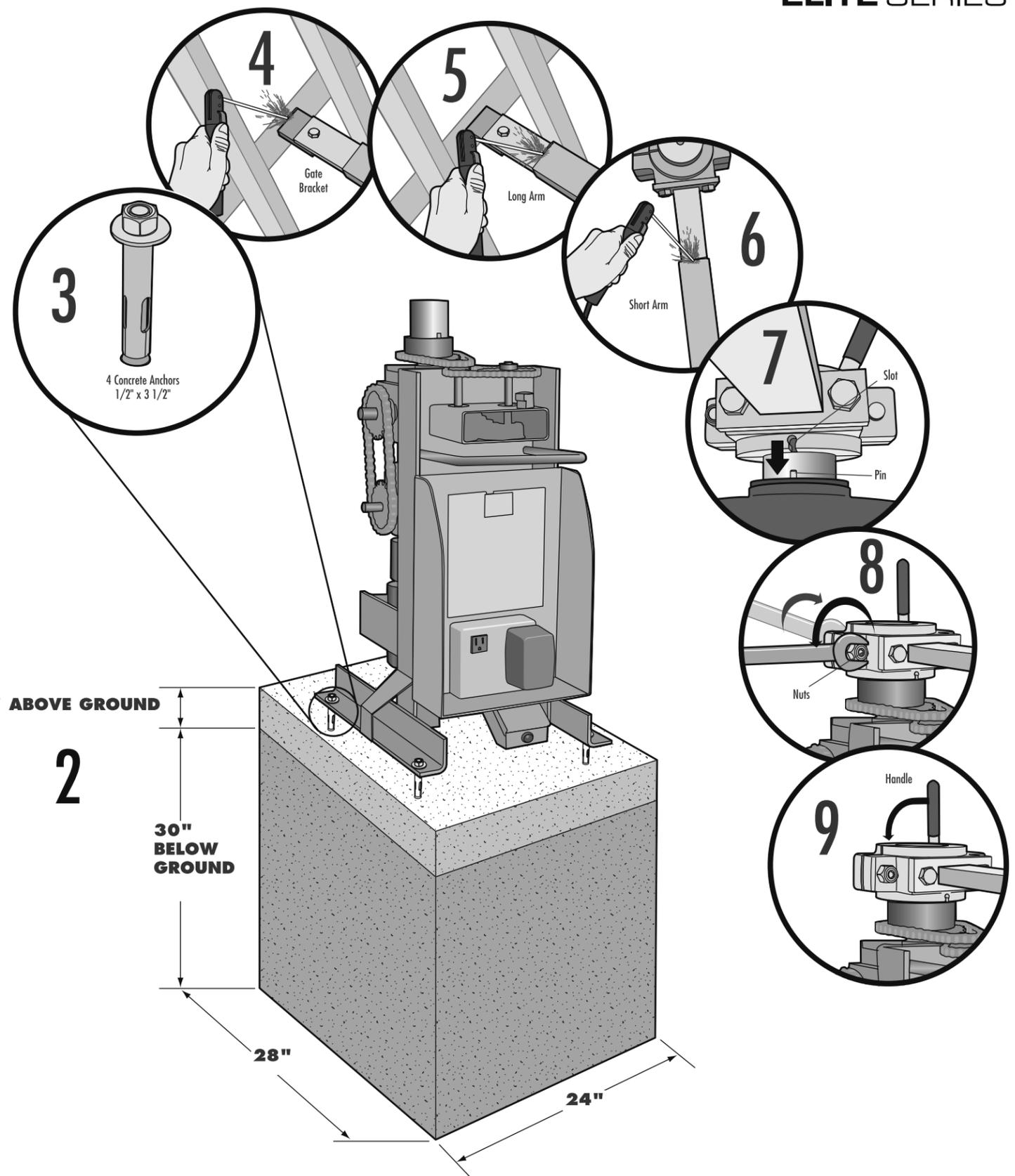


Suggestion: The dimensions between the gate and the concrete pad is always 10 inches less than the dimension D.
Example: D = 42", if the dimensions between the gate and the concrete pad is 32".

Caution: If the gate is longer than 18 feet, follow **CHART A: A-2**.

	CHART A					DISTANCE
	A	B	C	D	E	
1	46"	35.5"	29.5"	35"	11"	45"
2	46.75"	35.5"	33.5"	42"	11"	37"
3	46.75"	37"	31.5"	40"	11"	41"
4	47.25"	37.25"	30"	37"	11"	45"
5	47"	35"	29.5"	32"	11"	45"
6	42.5"	33"	26.5"	28.5"	11"	41"

	CHART B					DISTANCE
	A	B	C	D	E	
1	34.5"	34.75"	29.5"	35"	14"	43"
2	44"	36.5"	32.5"	42"	14"	32"
3	44"	37"	30.5"	40"	14"	40"
4	45"	37"	30.5"	37"	14"	43"
5	44.75"	35.75"	29.5"	32"	14"	44"
6	41"	39"	27.5"	28.5"	14"	41"



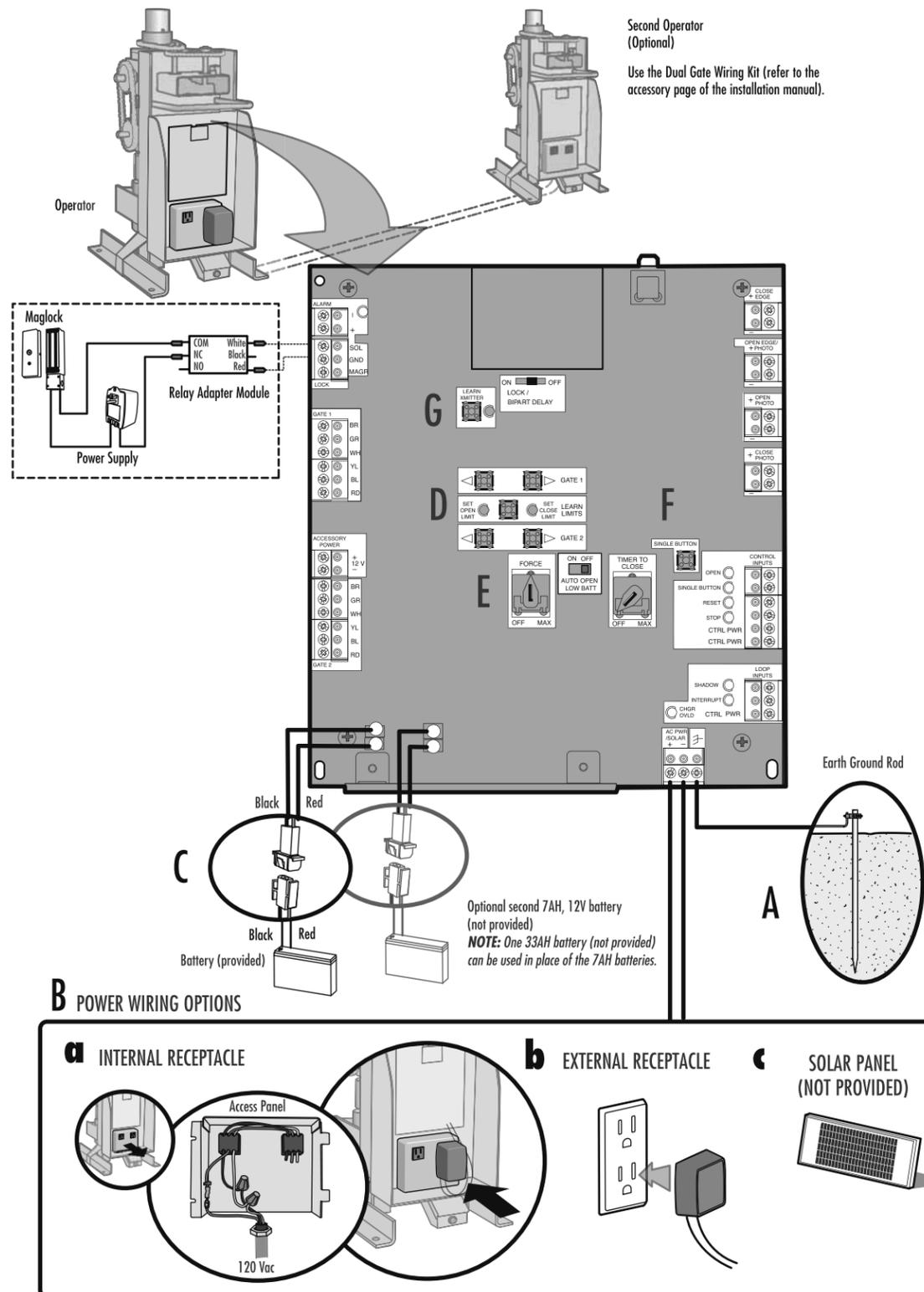
⚡ WARNING

To protect against fire and electrocution:

- DISCONNECT power and battery BEFORE installing or servicing operator.

For continued protection against fire:

- Replace ONLY with fuse of same type and rating.



WIRING

A EARTH GROUND ROD

Use the proper 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 should cut the ground wire too short, break it, or destroy its integrity, replace it with a single wire length.

NOTE: If the operator is not grounded properly the range of the remote controls will be reduced.

- 1 Install the earth ground rod within 3 feet of the operator.
- 2 Attach the ground wire to the ground terminal on the control board.

B POWER WIRING OPTIONS

This operator is capable of being powered by the internal receptacle, an external receptacle or a solar panel (not provided).

a INTERNAL RECEPTACLE

- 1 Remove the access panel.
- 2 Connect AC power to the operator:
 - Connect the green wire to the ground screw in the access panel.
 - Connect the black and white wires together with wire nuts.
- 3 Replace the access panel.
- 4 Connect the wires from the transformer to the AC PWR/SOLAR terminal located on the control board.
- 5 Plug the transformer into the internal receptacle.

b EXTERNAL RECEPTACLE

- 1 Run low voltage wire between the transformer and the operator.
- 2 Connect the wires from the transformer to the AC PWR/SOLAR terminal located on the control board.
- 3 Plug the transformer into the external receptacle.

c SOLAR PANEL

Not provided. See Accessories in the Installation Manual.

C CONNECT BATTERIES

- 1 Locate the battery plug.
- 2 Connect the battery plug to either connector on the control board.

LEARN LIMITS

D SINGLE GATE RIGHT-HAND SIDE

- 1 Close the gate. Make sure the operator arm is properly seated on the output shaft (the pin must fit into the slot). Make sure the handle is released on the operator arm and the learn limit cam is touching the learn limit switch.

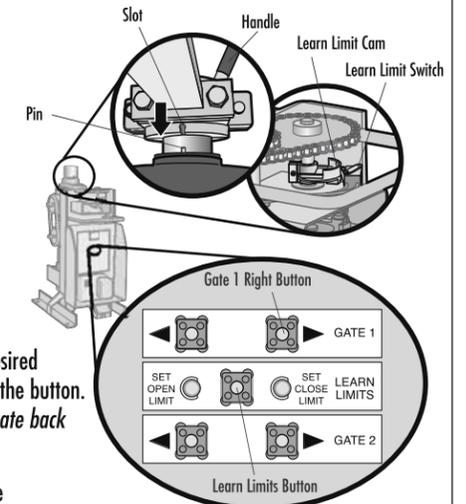
PROGRAM OPEN

- 2 Manually open the gate to the desired open position.
- 3 Tighten the handle on the operator arm.
- 4 Press and release the LEARN LIMITS BUTTON. The SET OPEN LIMIT LED will blink.
- 5 Press and release the LEARN LIMITS button again. The control board will beep and the SET CLOSE LIMITS LED will blink.

PROGRAM CLOSE

- 6 Press and hold the GATE 1 right button to move the gate to the desired CLOSED position. When the gate is in the desired position, release the button.
NOTE: The GATE 1 right and left buttons can be used to jog the gate back and forth as needed.
- 7 When gate is in the desired CLOSED position, press and release the LEARN LIMITS button. The control board will beep and the SET CLOSE LIMITS LED will stop blinking.

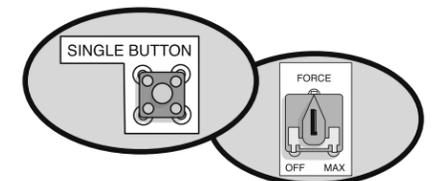
Programming is now complete. (If the SET OPEN LIMIT LED continues to blink, repeat programming.) Test the limits by pressing the SINGLE BUTTON to open and close the gate.



FORCE ADJUSTMENT

E 1 Use the SINGLE BUTTON to open and close the gate.

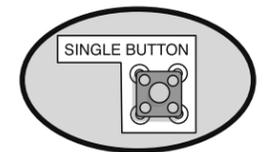
- 2 If the gate stops or reverses before reaching the fully open or closed position increase the force by turning the force control slightly.
- 3 Run operator through a complete cycle.



TEST

F After any adjustments are made, test the operator:

- 1 Use the SINGLE BUTTON to open and close the gate.
- 2 Test the limits by making sure the gate is stopping at the OPEN and CLOSE limits.
- 3 Test the force by making sure the gate will stop and reverse on contact with an obstruction.



PROGRAMMING

G REMOTE CONTROLS

- 1 Press and release the LEARN XMITTER button (LED will light).
- 2 Press the remote control button. The LED will flash and the alarm output will activate twice.

