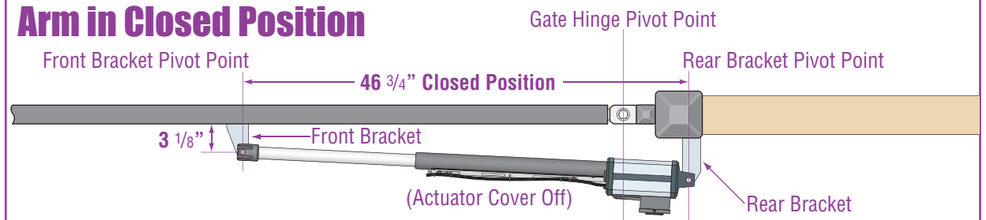
QUICKSTART "BASIC" GUIDELINES FOR MODEL 6002 - FOR A GATE UP TO 14 FEET, 500LBS AND "OPENING TO THE INSIDE"

DOORKING®, INC.™

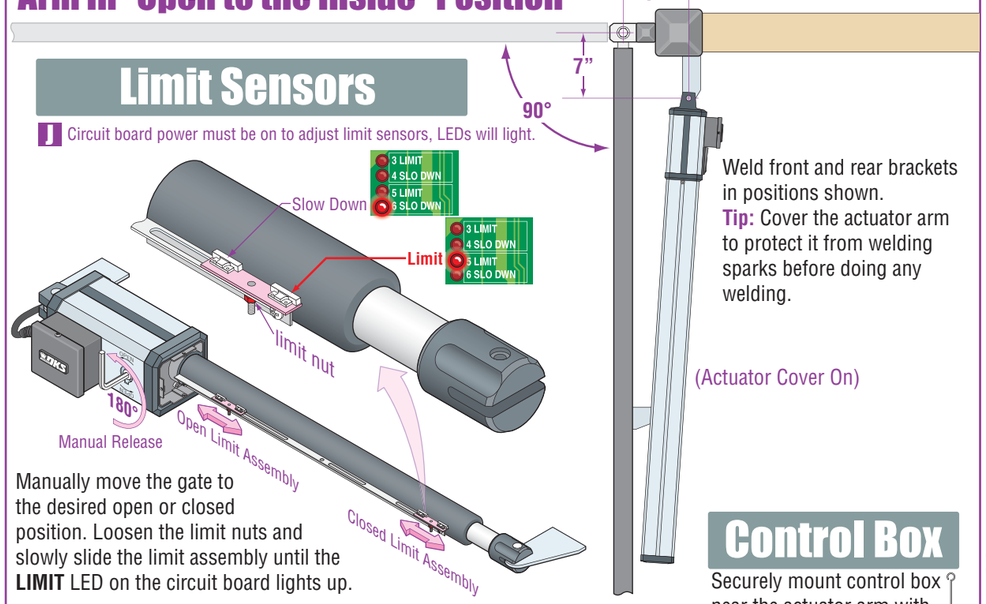
120 Glasgow Avenue
Inglewood, California 90301
U.S.A.

Mounting System and Adjusting Open/Close Position

Arm in Closed Position



Arm in "Open to the Inside" Position

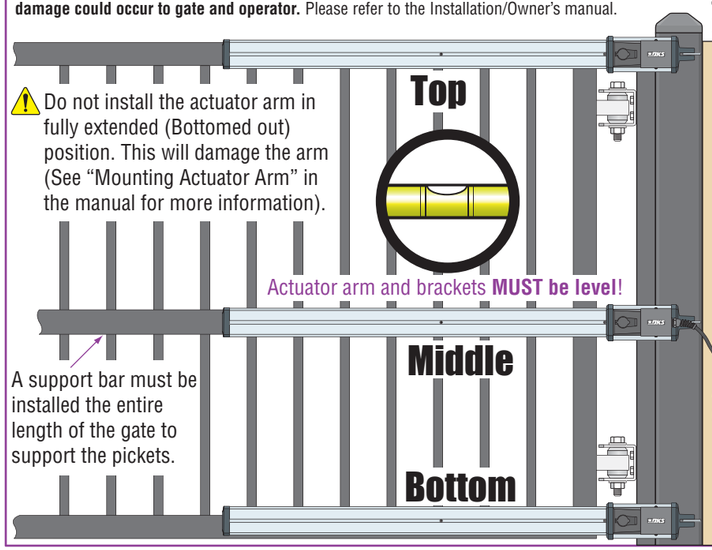


Limit Sensors

J Circuit board power must be on to adjust limit sensors, LEDs will light.

Manually move the gate to the desired open or closed position. Loosen the limit nuts and slowly slide the limit assembly until the **LIMIT** LED on the circuit board lights up.

DO NOT cycle operator before limit sensors and DIP-switches have been adjusted, damage could occur to gate and operator. Please refer to the Installation/Owner's manual.



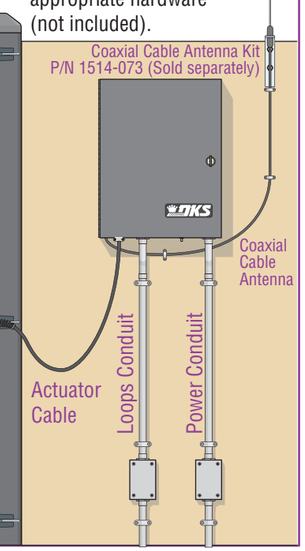
⚠ Do not install the actuator arm in fully extended (Bottomed out) position. This will damage the arm (See "Mounting Actuator Arm" in the manual for more information).

Actuator arm and brackets **MUST be level!**

A support bar must be installed the entire length of the gate to support the pickets.

Control Box

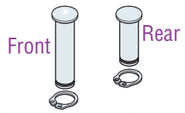
Securely mount control box near the actuator arm with appropriate hardware (not included).



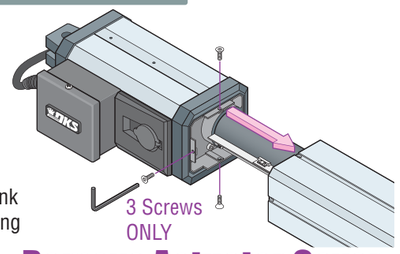
Model 6002 is intended for installation only on swing gates used for vehicles.
Pedestrians must be supplied with a separate access opening.
For safety and installation instructions, please refer to the Installation/Owner's manual.

General Information

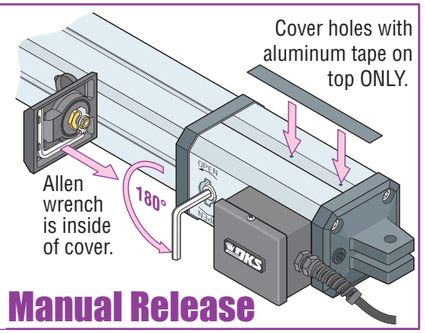
Clevis Pins



Note: Front clevis pin **MUST** fit into countersunk hole to allow retaining ring to be installed.



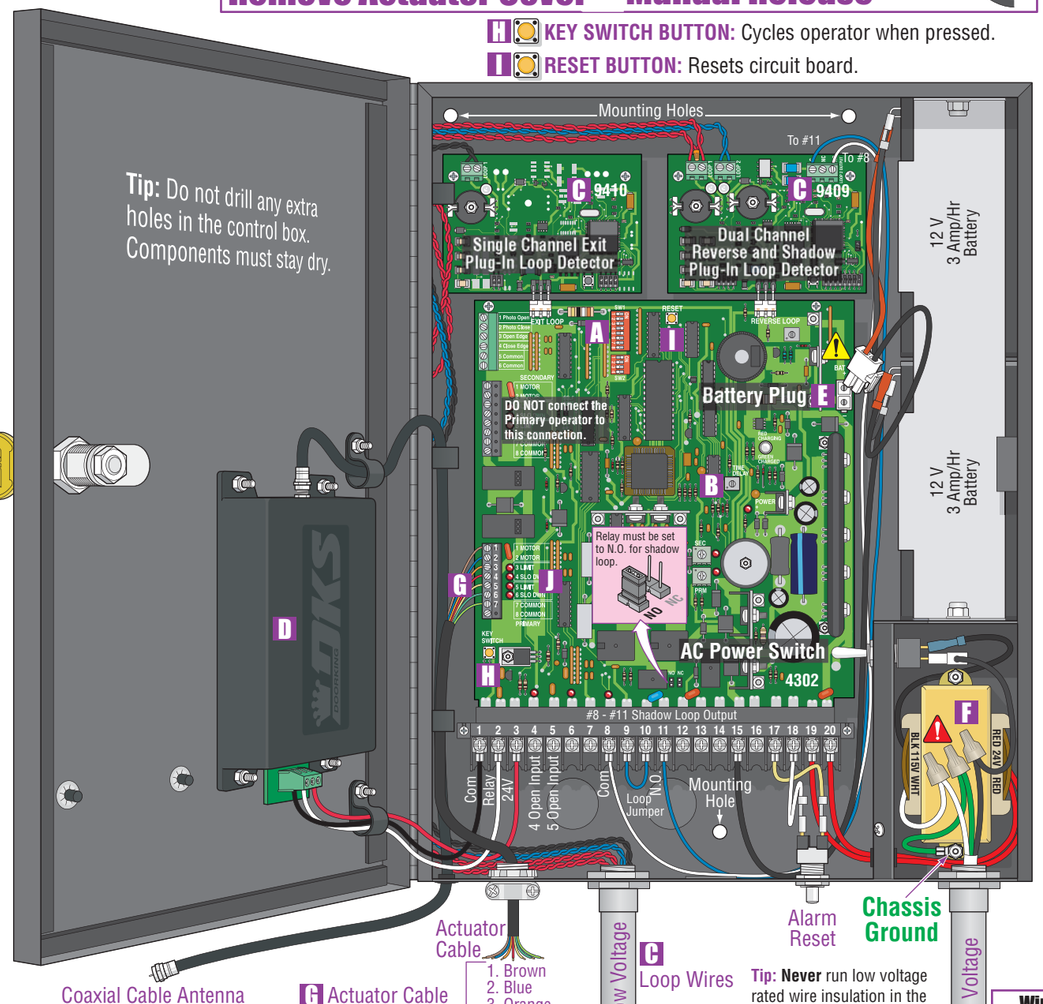
Remove Actuator Cover



Manual Release

H **KEY SWITCH BUTTON:** Cycles operator when pressed.

I **RESET BUTTON:** Resets circuit board.



Tip: **Never** run low voltage rated wire insulation in the same conduit as high voltage rated wire insulation. Keep them in separate conduits.

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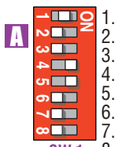
Circuit Board Settings

Typical Settings for Single Operator with Plug-In Loops

A



SW 1

1. Direction **Primary** operator opens.
2. OFF
3. OFF
4. **ON** → Auto-Close Timer
5. ON - Shadow Loop
6. OFF
7. OFF
8. OFF

B

Adjust 1 to 23 sec.

SW 2

1. ON - Relay for Dual Plug-In Shadow Loop
2. OFF - Relay for Dual Plug-In Shadow Loop
3. OFF
4. OFF

Note: Please refer to the Installation/Owner's manual for more information.

Plug-In Loop Detectors

C Not included - Refer to the Installation/Owner's manual and Loop Information Manual (available free from www.dkaccess.com) for more information.

Radio Receiver

D Not included - Refer to a specific Radio Receiver Manual (available from www.dkaccess.com) for more information on radio receivers and antenna installation.

Battery Connection

⚠ CAUTION

E Do not connect the battery to the circuit board until power is needed to test the actuator arm.

115 VAC Connection

⚠ DANGER

F **HIGH VOLTAGE!**
White - Neutral
Black - **115 VAC Hot**
Green - Chassis Ground

CONTROL BOX MUST BE PROPERLY GROUNDED!!

Tip: It is recommended that a surge suppressor be installed on the high voltage power lines.

Note: To turn-off **ALL** power to the operator, the AC power switch must be turned off **AND** the battery plug must be disconnected from the circuit board.

Wire Size	Distance
14 AWG	Up to 200 ft
12 AWG	Beyond 200 ft

115 VAC Input Power Wire