QUICKSTART "BASIC" GUIDELINES FOR MODEL 6006 - FOR A GATE UP TO 18 FEET, 600LBS AND "PULL TO OPEN"

DKS DOORKING

"PULL to Open" Installation

Note: Refer to 6006 manual for **"PUSH to Open"** installation.

B
8 1/2" (21.6 cm) Ideal

Note: The ideal installation measurements are **A = 7-3/4"** (19.7 cm) and **B = 8-1/2"** (21.6 cm). If different measurements are used, the sum of **A** and **B** cannot be greater than 18" (45.7 cm).

Closed Gate

6 1/2" (16.5 cm)

A

7 3/4" (19.7 cm) Ideal

35 1/2" (90.1 cm)

Open Gate

PULL to Open

Carriage

90°

FRONT Bracket
Locknut
Washer

Bolt

REAR Bracket
Locknut

Weld front and rear brackets **directly** to gate and metal support post if desired. If mounting brackets with sleeve anchors to the gate and wall, weld reinforcing steel plates to the brackets. **Fully weld around entire brackets.**

Options	
A	**B**
7 3/4" (19.7 cm)	8 1/2" (21.6 cm)
8 1/2" (21.6 cm)	7 3/4" (19.7 cm)
9" (22.9 cm)	9 (22.9 cm)
9" (22.9 cm)	8 1/2" (21.6 cm)
7 1/2" (19.1 cm)	7 1/2" (19.1 cm)

Opening Direction DIP-Switch 1 (SW 1)

The operator MUST OPEN GATE upon initial power up and OPEN command.

If the operator closes gate after giving open command, shut off power and reverse this switch setting otherwise operator will **NOT** function correctly.

SW 1

PUSH to Open - Refer to 6006 manual

ON setting   **ON** setting

PULL to Open

Refer to **YOUR** chosen 115 VAC **OR** Solar powered control box manuals for complete DIP-switch settings.

Control Box

Securely mount a control box near the actuator arm with appropriate hardware not supplied).

Coaxial Cable Antenna Kit P/N 1514-073 (Sold separately)

115 VAC or Solar Power Input

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

Bracket Offset 2 1/4" (5.7 cm)

Loops Conduit   Power Conduit   Actuator Cable

Top

Middle

Bottom

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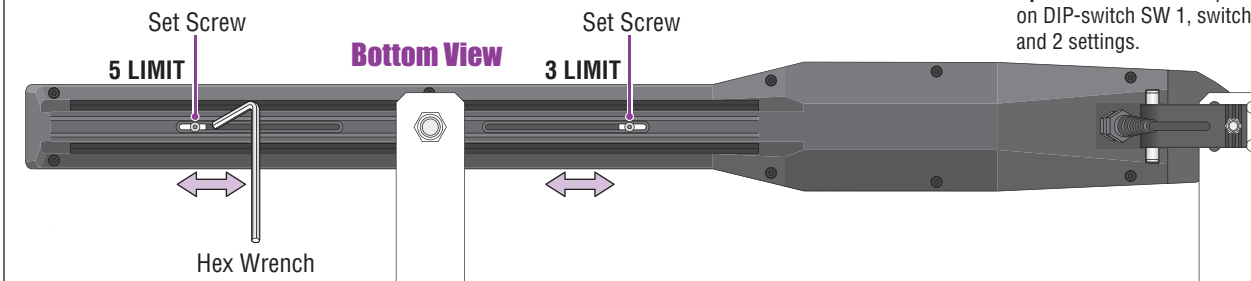

THIS PRODUCT IS TO BE INSTALLED AND SERVICED BY A TRAINED GATE SYSTEMS TECHNICIAN ONLY. Visit **www.dkslocator.com** to find a professional installing and servicing dealer in your area.

The 6006 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 **6006 Actuator Arm and Control Box Mounting manual, 115 VAC or Solar Control Box Wiring/Owner's manuals**.
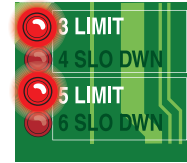
Limit Sensors Adjustment
Operator Opens to the Inside

Limit LEDs

3 LIMIT
4 SLO DWN
5 LIMIT
6 SLO DWN

Power to the circuit board must be ON when adjusting the limit sensors.

Note: 3 and **5** limit LEDs can be **Open** or **Close** limits depending on DIP-switch SW 1, switch 1 and 2 settings.

Set Screw   **Bottom View**   Set Screw

5 LIMIT   **3 LIMIT**

Hex Wrench

A Manually unlock handle and rotate 90° (see below).

B Manually move the gate to the desired open or closed position. Loosen set screw and slowly slide the limit assembly. **SLOW DOWN** LED will light first, continue sliding until the corresponding **LIMIT LED on the circuit board lights up.** Tighten screw. Manually move the gate to other position. Repeat process with the other limit assembly.
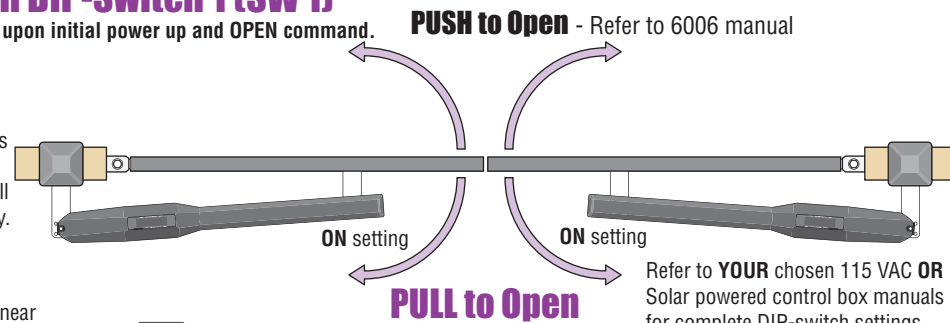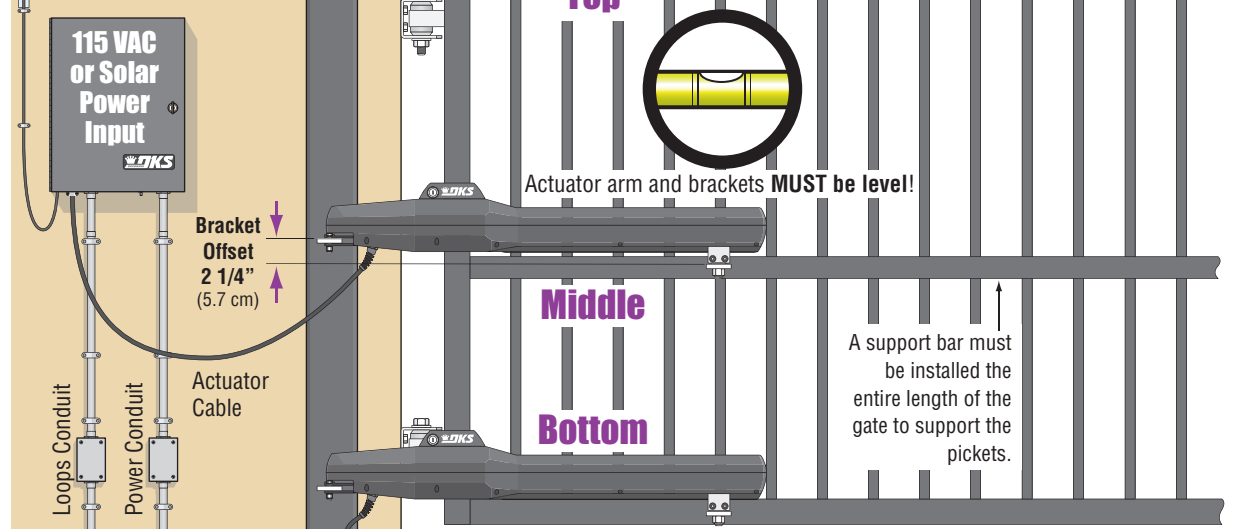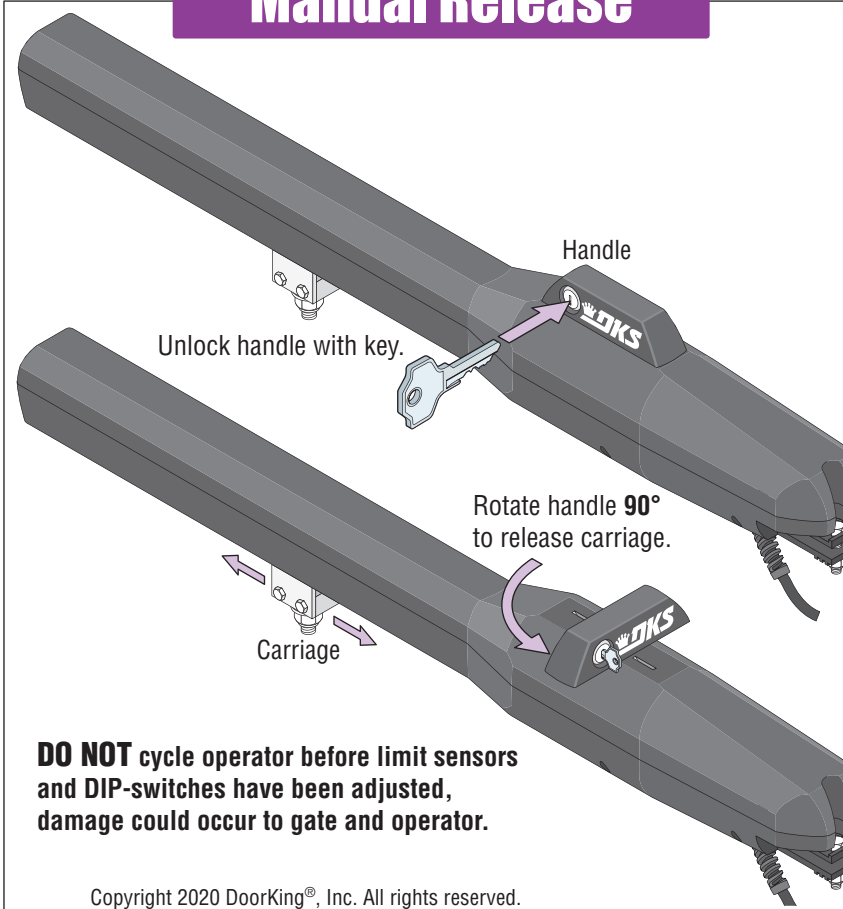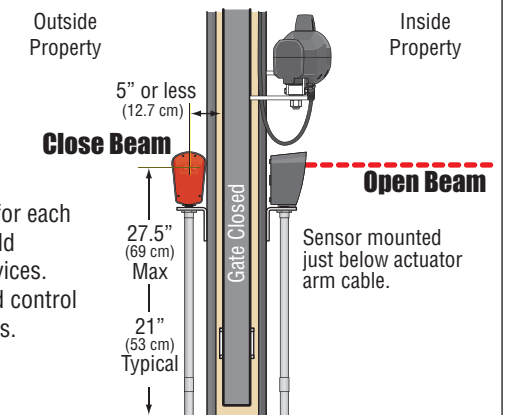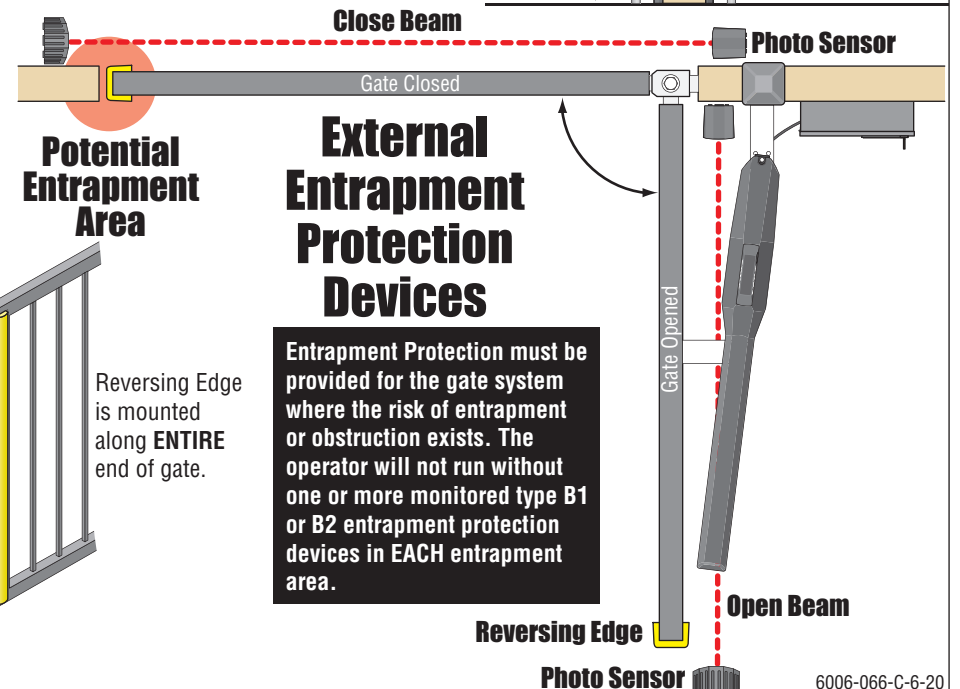
Manual Release

Handle

Unlock handle with key.

Rotate handle **90°** to release carriage.

Carriage

DO NOT cycle operator before limit sensors and DIP-switches have been adjusted, damage could occur to gate and operator.

Wiring to Circuit Board

Note: If factory wired jumpers are on operator terminal, they **MUST** be removed.

4302

Wire	Terminal	
Brown wire	1	1 MOTOR
Blue wire	2	2 MOTOR
Orange wire	3	3 LIMIT
Red wire	4	4 SLO DWN
Yellow wire	5	5 LIMIT
Green wire	6	6 SLO DWN
Green/Yellow wire	7	7 COMMON
Not Used	8	8 COMMON

PRIMARY

7-Wire Operator Actuator Cable

Single operator connects to **PRIMARY** connection **ONLY** on the 115 VAC **OR** Solar control box circuit board.

Photo Sensors Height

Outside Property   Inside Property

5" or less (12.7 cm)

Close Beam   **Open Beam**

Sensor mounted just below actuator arm cable.

27.5" (69 cm) Max

Gate Closed

21" (53 cm) Typical

Note: Only 1 monitored Device can be connected for each cycling direction. An **OPTIONAL** Expansion Kit (sold separately) will allow connection for additional devices. Refer to **YOUR** chosen 115 VAC **OR** Solar powered control box manuals to wire entrapment protection devices.

Close Beam

Photo Sensor

Gate Closed

Potential Entrapment Area

External Entrapment Protection Devices

Reversing Edge is mounted along **ENTIRE** end of gate.

Entrapment Protection must be provided for the gate system where the risk of entrapment or obstruction exists. The operator will not run without one or more monitored type B1 or B2 entrapment protection devices in EACH entrapment area.

Gate Opened

Reversing Edge   **Open Beam**

Photo Sensor

6006-066-C-6-20