

# QUICKSTART "BASIC" GUIDELINES FOR STANDARD MODEL 6050/6100 - FOR GATES UP TO 10 FEET AND OPENING 90°

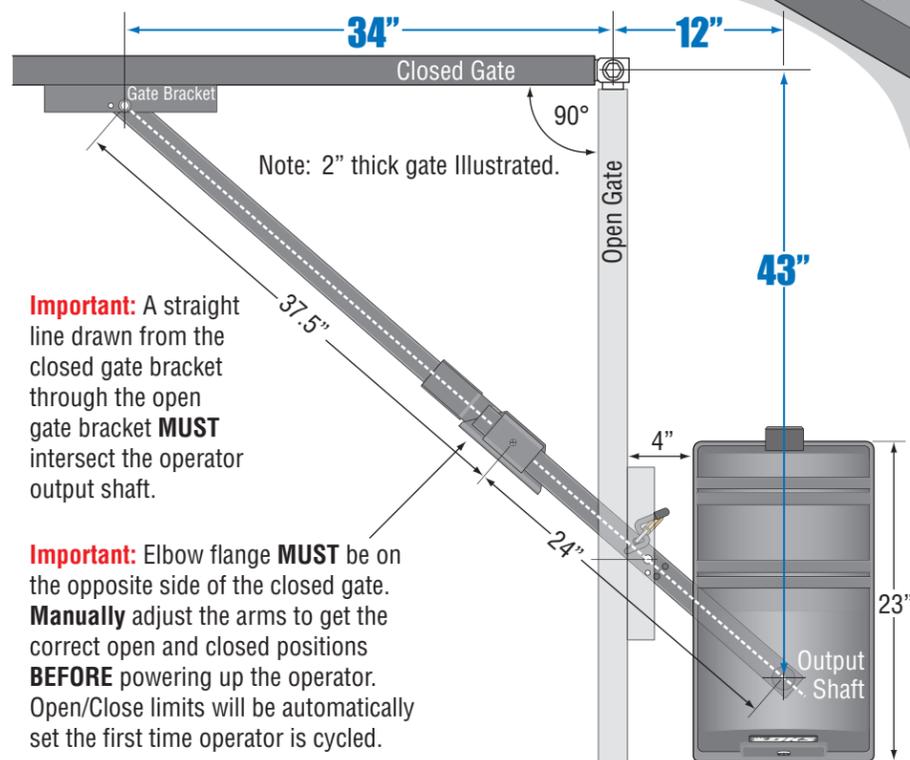


120 Glasgow Avenue  
Inglewood, California 90301  
U.S.A.

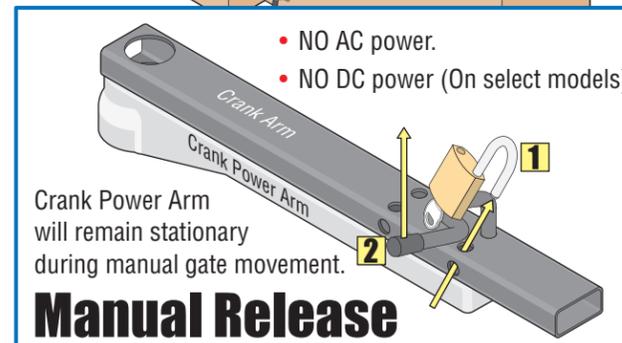
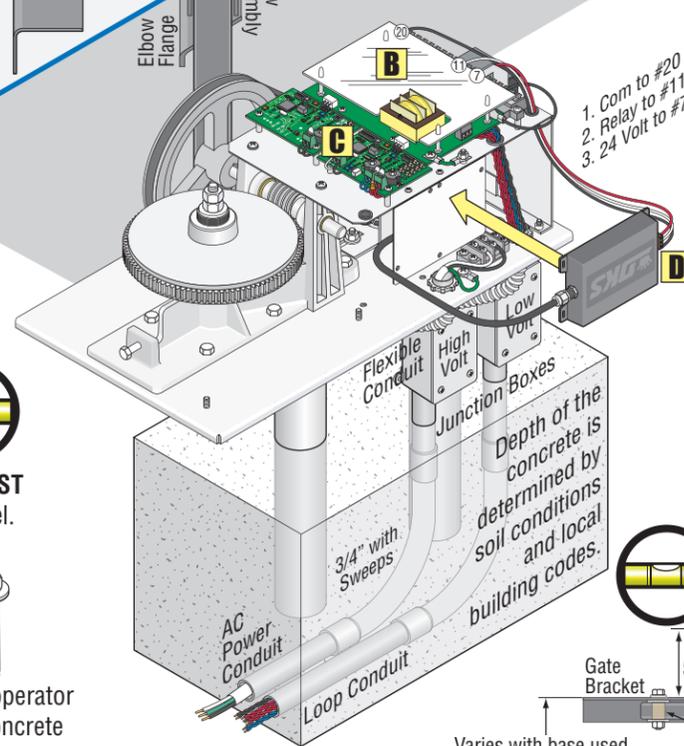
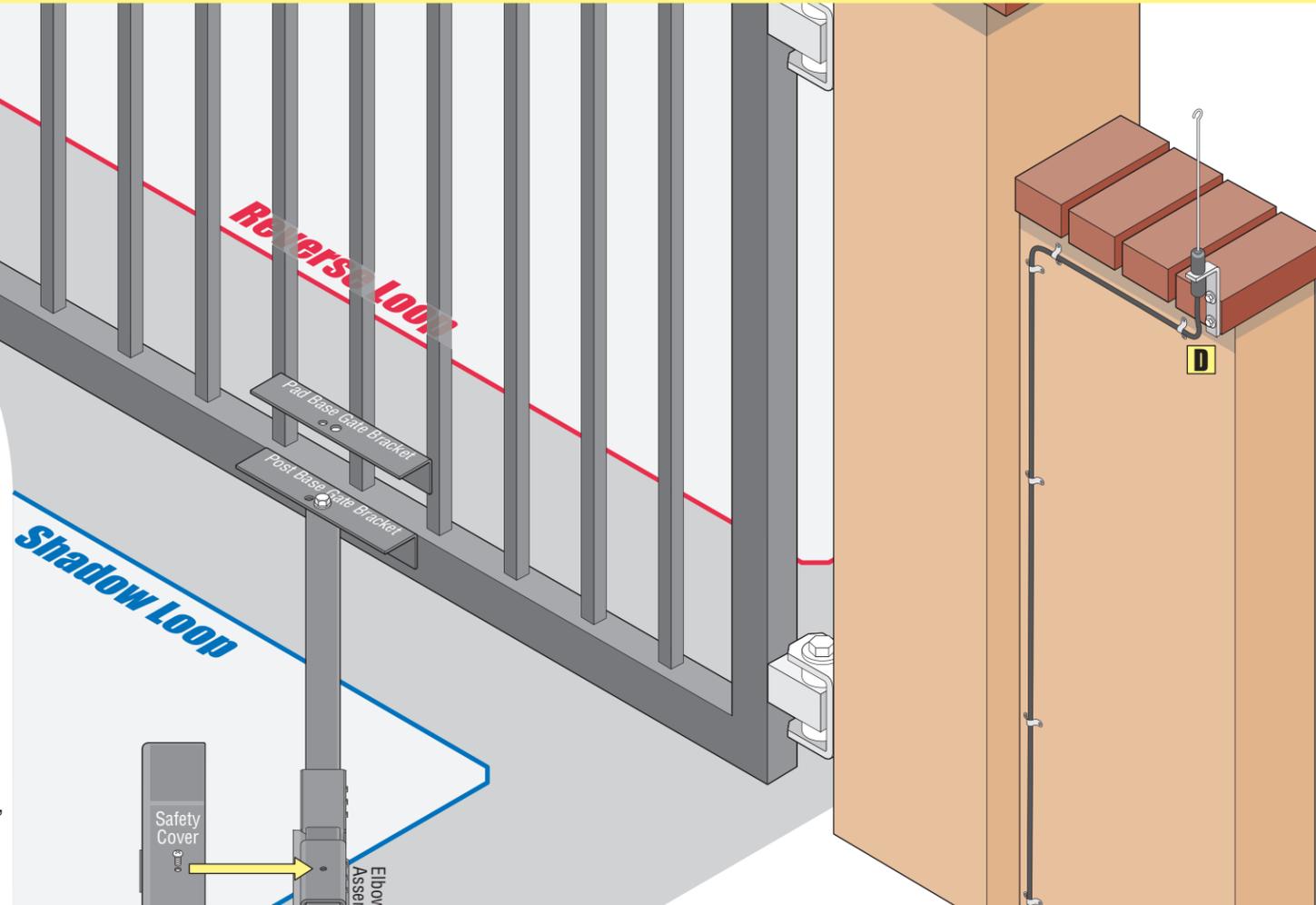
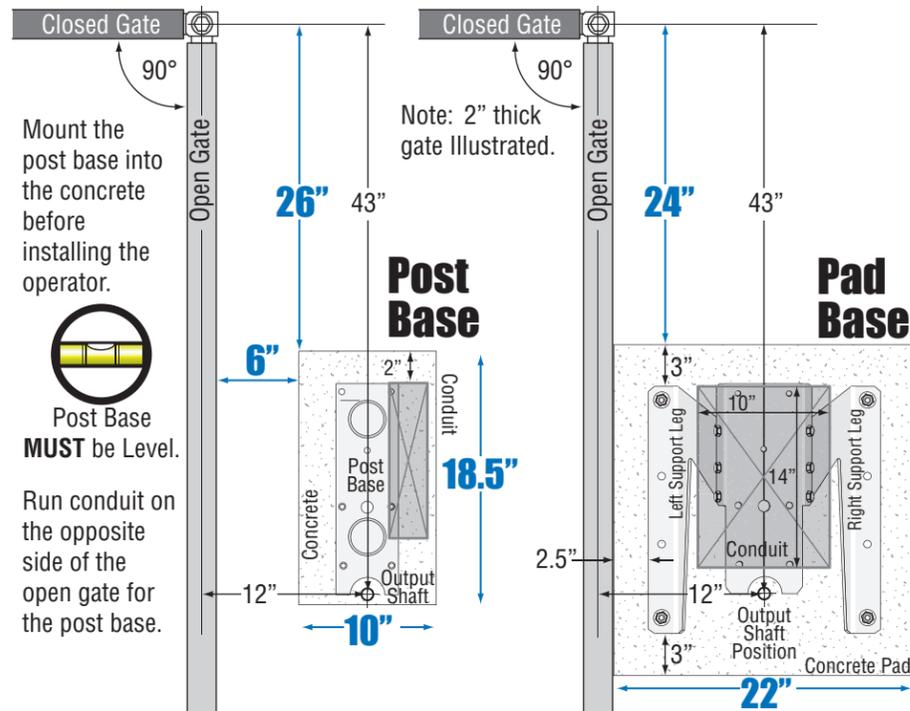
**Models 6050/6100 is intended for installation only on swing gates used for vehicles.**  
Pedestrians must be supplied with a separate access opening.

For safety and installation instructions, please refer to the Installation/Owner's manual.

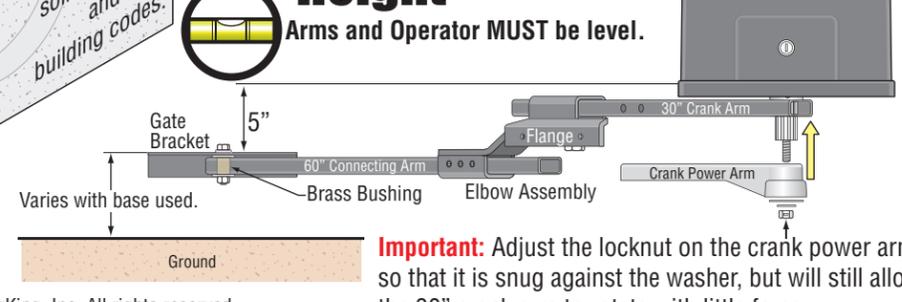
## Operator Position



## Concrete Position



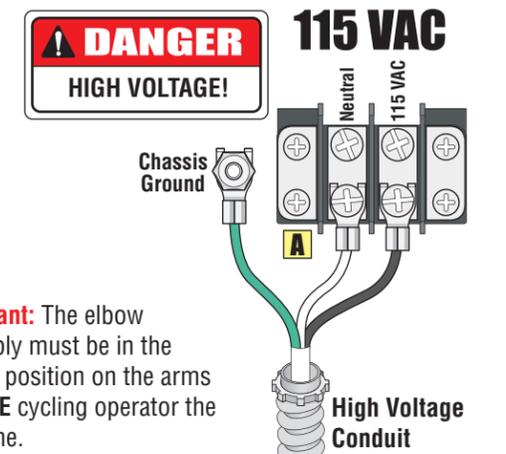
## Arm Assembly and Gate Bracket Height



## High Voltage Connection

**GATE OPERATOR MUST BE PROPERLY GROUNDED!!**

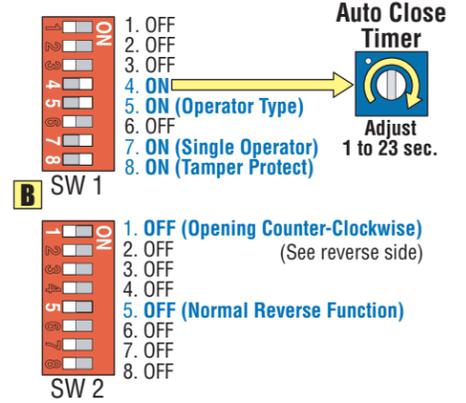
**Tip:** It is recommended that a surge suppressor be installed on the high voltage power lines.



**Important:** The elbow assembly must be in the correct position on the arms **BEFORE** cycling operator the first time.

## DIP-Switch Settings

Using shadow loop and gate opening in direction shown.



## Loop Detectors

**C** Not included - Refer to the Installation/Owner's manual and Loop Information Manual (available **FREE** from [www.dkaccess.com](http://www.dkaccess.com)) for more information on loops and loop detectors.

## Radio Receiver

**D** Not included - Refer to a specific Radio Receiver Manual (available from [www.dkaccess.com](http://www.dkaccess.com)) for more information on radio receivers and antenna installation. (See reverse side for wiring)

# QUICKSTART "BASIC" GUIDELINES FOR MODEL 6050/6100 - DIP-SWITCH AND WIRING REFERENCE

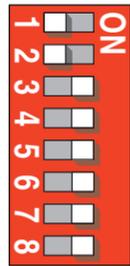


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## SW 1 DIP-Switches

**⚠ Every time the operator is powered up, the First open command will automatically set the open and close limits of the gate.**

Switch	Function	Setting	Description
1 and 2	Circuit Board Relay	1-OFF 2-OFF	Relay activates when gate is open (Shadow loop setting when used).
		1-OFF 2-ON	Relay activates when gate is not closed.
		1-ON 2-OFF	Relay activates when gate is opening and open.
		1-ON 2-ON	Relay activates when gate is opening and closing.
3	Exit Loop Port Output	OFF	The output wired to terminal #12 becomes the output from the exit loop detector plugged into the EXIT Loop port.
	Full Open Input	ON	<b>Normal Setting.</b> Terminal #12 is a normal full open input.
4	Auto-Close Timer	OFF	Auto-close timer is OFF. Manual input required to close gate.
		ON	Auto-close timer is ON. Adjustable from 1-23 seconds to close gate.
5	Slide Gate	OFF	OFF for Slide gate operator (DO NOT use for 6050/6100).
	Swing Gate	ON	<b>Normal Setting.</b> ON for Swing gate operator (Switch MUST be ON for 6050/6100).
6	3-Button	OFF	OFF when using a 3-button station (DoorKing 3-button control stations only).
	Single Button	ON	ON when using a single button control.
7	Dual Operators	OFF	Switch must be OFF when bi-parting (dual) gates are used.
	Single Operator	ON	Switch must be ON for single operator.
8	Tamper Protect	OFF	Tamper protect is OFF.
		ON	<b>Normal Setting.</b> Tamper protect is ON.



SW 1

## SW 2 DIP-Switches

**Note:** After a DIP-switch setting is changed, power must be turned OFF and then turned back on for the new setting to take affect.

Switch	Function	Setting	Description
1	Primary Operator Opening Direction	Opens Clockwise	 ON
		Opens Counter-Clockwise	
2	Secondary Operator Opening Direction		Same as above, for secondary operator <b>ONLY</b> .
3	Self-Test	OFF	<b>Normal Setting.</b> Normal operation.
		ON	Self-test mode. Operator <b>MUST</b> be disconnected from gate to run self test.
4	Motor Control for Secondary Operator	OFF	Switch is OFF when both primary and secondary operator motors are powered from main terminals 4 and 5. Applies to operators originally manufactured with 4501, Rev O boards or lower).
		ON	Switch is ON when secondary operator motor is powered from the secondary motor terminals. Applies to operators manufactured with 4501, Rev P boards and higher, <b>and all 4502 boards.</b>
5	Reverse Loop	OFF	Terminal 15 is a normal Reverse input.
	Shadow Loop	ON	Terminal 15 is a Shadow input. Gate will <b>NOT</b> stop <b>during</b> the close cycle.
6	Gate Overlap	OFF	Primary and secondary operators start at the same time.
		ON	Secondary operator starts 1-2 seconds prior to primary operator.
7	Not Used	OFF	Leave in the OFF position.
8	Not Used	OFF	Leave in the OFF position.

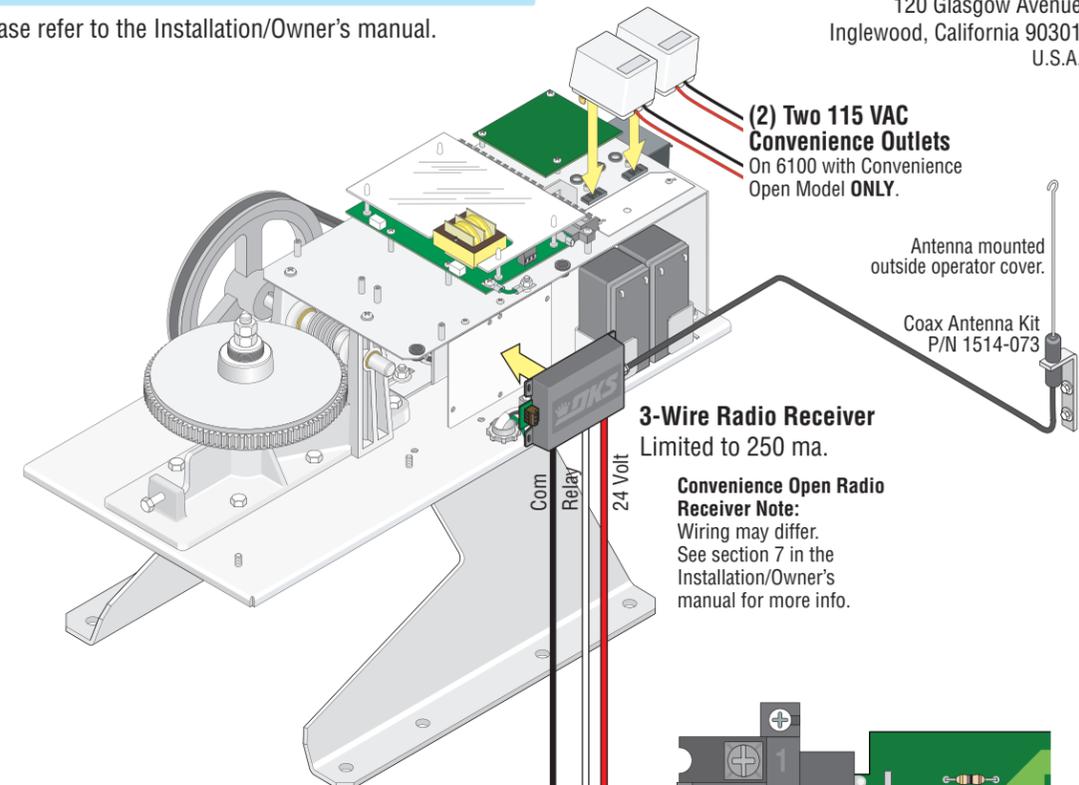


SW 2

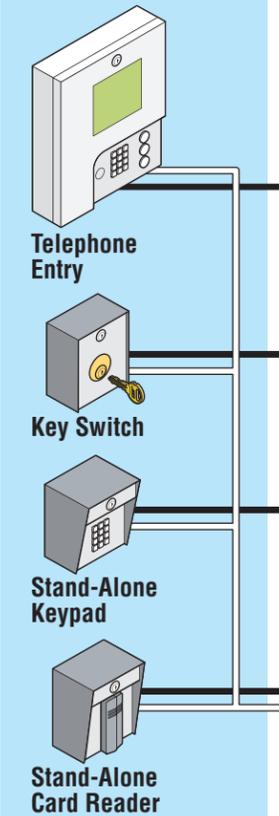
**Model 6050/6100 is intended for installation only on swing gates used for vehicles.** Pedestrians must be supplied with a separate access opening.

For safety and installation instructions, please refer to the Installation/Owner's manual.

**Important:** Controls must be installed a minimum of 10-feet from the gate or installed in such a way that the person using the control cannot come in contact with the gate or gate operator.



### #11 - Access Control Devices



**Note:** All stand-alone and telephone entry devices must use a separate power source.

