QUICKSTART "BASIC" GUIDELINES FOR MODEL 9100 - FRONT INSTALLATION MOUNTED ON A CONCRETE PAD

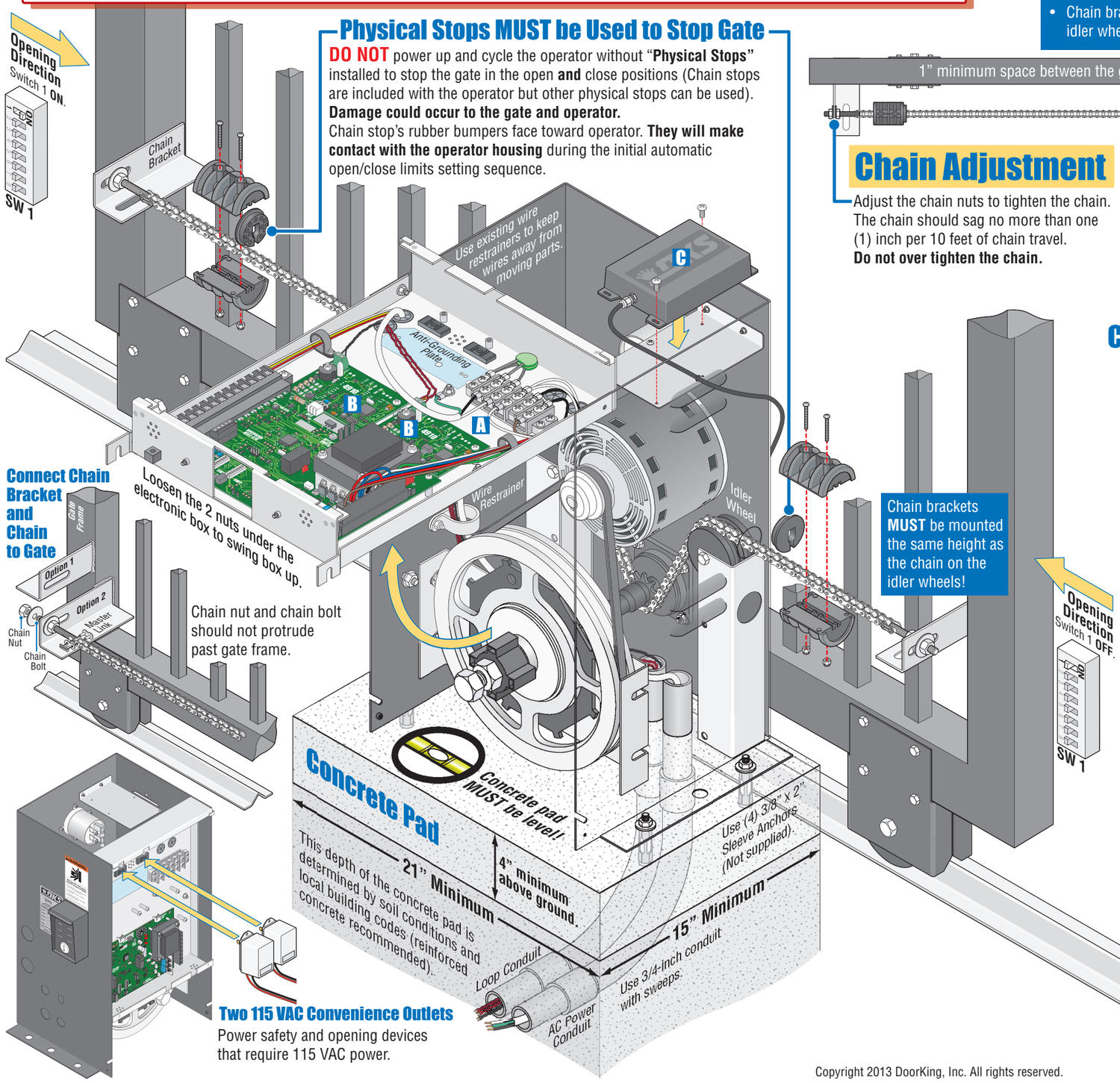
Model 9100 is intended for installation only on sliding gates used for vehicles.
Pedestrians must be supplied with a separate access opening. For safety and installation instructions, please refer to the Installation/Owner's manual.

DOORKING®, INC.
120 Glasgow Avenue
Inglewood, California 90301
U.S.A.

Physical Stops MUST be Used to Stop Gate

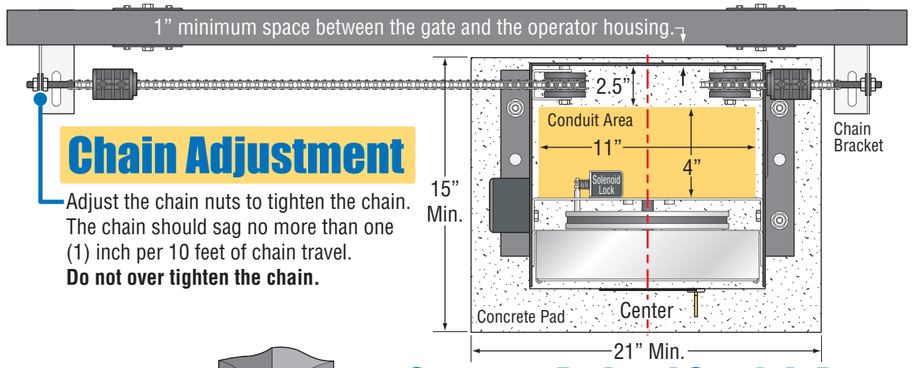
DO NOT power up and cycle the operator without "**Physical Stops**" installed to stop the gate in the open **and** close positions (Chain stops are included with the operator but other physical stops can be used). **Damage could occur to the gate and operator.**
Chain stop's rubber bumpers face toward operator. **They will make contact with the operator housing** during the initial automatic open/close limits setting sequence.

- Chain **MUST** be parallel to gate!
- Chain bracket **MUST** line up with idler wheels!



Chain Adjustment

Adjust the chain nuts to tighten the chain. The chain should sag no more than one (1) inch per 10 feet of chain travel.
Do not over tighten the chain.



Concrete Pad and Conduit Area

Circuit Board Settings

SW 1, Switch 1 - **Must** OPEN the gate upon initial AC power up and open command. If the open command begins to close the gate, turn AC power off and reverse this switch. (See reverse side)

"Basic" Setting of DIP-Switches

SW 1
1. Opening Direction (See Illustration)
2. ON → Auto-Close Timer
3. OFF
4. OFF
5. OFF
6. OFF
7. OFF
8. OFF

OPEN TIMER: 1 – 23, Adjust 1 to 23 sec.

SW 2
1. ON
2. OFF
3. OFF
4. OFF
5. OFF
6. OFF
7. OFF
8. OFF

Note: SW 2, switch 1 is turned on when plug-in exit loop detector is installed.

Key Switch

Cycles the operator when pressed.

Automatic Limits

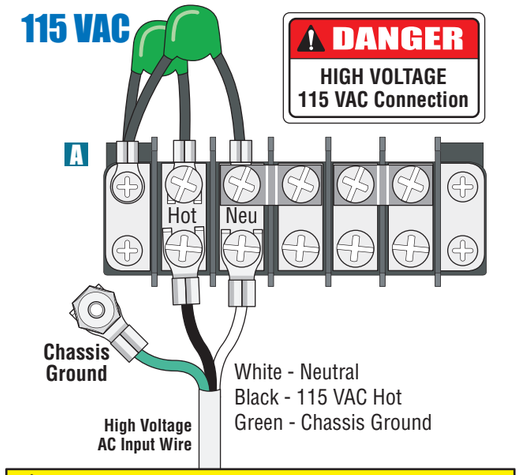
The 9100's open/close limits **DO NOT** have to be physically adjusted. **Every time the 9100 is powered up, the first open command will automatically run "2 open/close gate cycles" that will locate and remember the gate's open and close limit positions.** These limit positions are determined by where the physical stops have been installed. It does not matter what position the gate is in before running this sequence. The gate will function normally after this automatic sequence has finished.

Note: Auto-close timer should be on before running this sequence.

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.



Every time the 9100 is powered up, the **First** open command will automatically run "**2 open/close gate cycles**" that will locate and remember the gate's open and close limit positions. See "Automatic Open/Close Limit Adjustment" in Installation/Owner's manual for more information.

Plug-In Loop Detectors

B Not included - Refer to the Installation/Owner's manual **AND** Loop Information Manual (available from www.dkaccess.com) for more information on loops and plug-in loop detectors.
Important Note: DoorKing highly recommends that loops and loop detectors are installed with this slide gate operator. A loop detection system will preventing the gate from automatically opening or closing on a vehicle when it is in the gate's path.

Radio Receiver

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

Two 115 VAC Convenience Outlets

Power safety and opening devices that require 115 VAC power.

QUICKSTART "BASIC" GUIDELINES FOR MODEL 9100 - DIP-SWITCH AND WIRING REFERENCE

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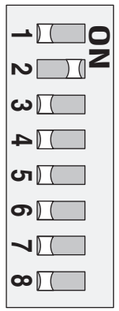
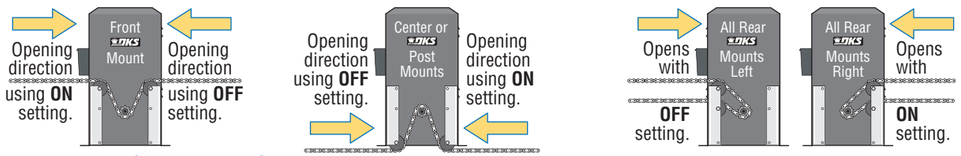
SW 1

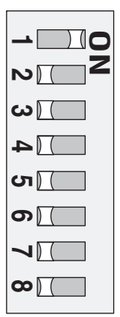


SW 1

Switch	Function	Setting	Description
1			Changes the direction the operator will open/close the gate depending on the different chain configurations. 
2	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.
3	Motor Hold	OFF	**Normal Setting.** No voltage to motor when gate is stopped (Level gate).
		ON	Voltage applied to motor always. Keeps inclined gate from coasting when stopped.
4 and 5	Relay Activation and LED Indicator Light Activation	4-OFF 5-OFF	Relay activates and LED is ON when the gate is fully open.
		4-OFF 5-ON	Relay activates and LED is ON when the gate is not closed.
		4-ON 5-OFF	Relay activates and LED is ON when the gate is opening and open.
		4-ON 5-ON	Relay activates and LED is ON when the gate is opening and closing.
6	Self-Test	OFF	**Normal Setting.**
		ON	Runs self-test. **Caution: Bench testing ONLY!**
7 and 8	Gate **Open** Back-Off Position	7-OFF 8-OFF	**Normal Setting.** Gate fully opens.
		7-OFF 8-ON	Gate stops short 1" from full open position. Used for a reversing edge device.
		7-ON 8-OFF	Gate stops short 2" from full open position. Used for a reversing edge device.
		7-ON 8-ON	Gate stops short 3" from full open position. Used for a reversing edge device.

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.

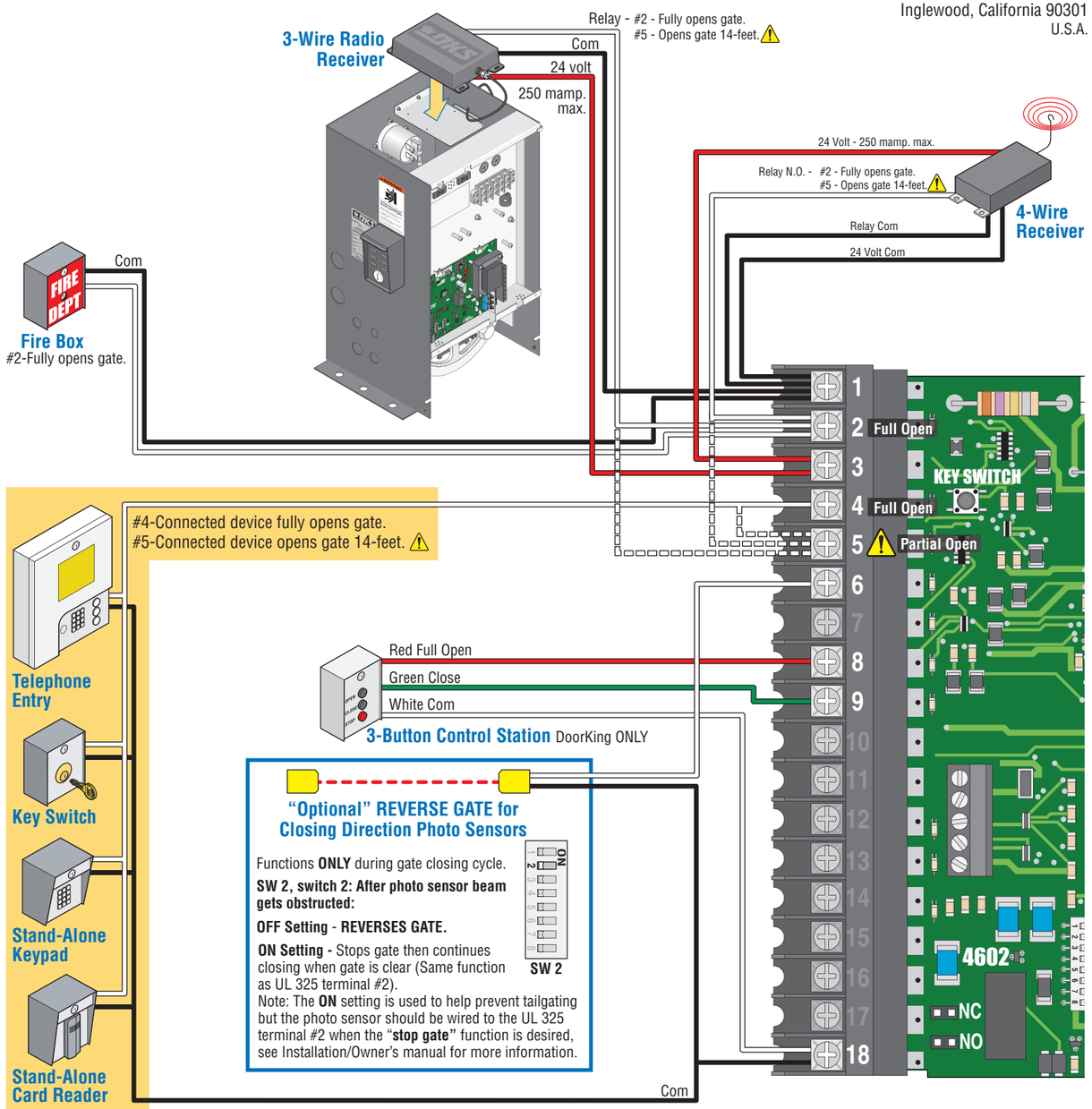
SW 2



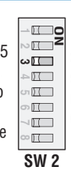
SW 2

Switch	Function	Setting	Description
1	Exit Loop Port Output	Jumper Wire Needed See Manual OFF	A plug-in exit loop detector plugged into the EXIT Loop port will partially open single operator or fully open dual operators depending on type of loop detector used).
	Full Open Input	ON	**Normal Setting.** Plug-in exit loop detector will fully open gate (Single operator).
2	Reverses Gate	OFF	**Normal Setting.** Input to terminal #6 and/or reverse loops will **reverse** gate during **close** cycle.
	Stops Gate	ON	Input to terminal #6 and/or reverse loops will **stop** gate during **close** cycle – gate will continue to close after input to terminal #6 and/or reverse loops are cleared (Helps prevent tailgating vehicles from unauthorized entry).
3	Partial Open (14 Ft)	OFF	**Normal Setting.** Switch must be OFF for terminal #5 input to open gate 14 Ft.
		ON	**DO NOT** use ON setting. **NOT** associated with partial open feature for the 9100.
4	Built-in Solenoid Lock	OFF	**Normal Setting.** Fail-safe logic. Lock engages only if attempt is made to force gate open (Factory setup).
		ON	Fail-secure logic. Lock engages after each gate cycle (2600-862 Lock kit required).
5	Operator Model Select	OFF	**Normal Setting.** Switch must be OFF for Model 9100.
		ON	**DO NOT** use ON setting for Model 9100.
6	Quick-Close Timer Override	OFF	**Normal Setting.** Timer will function normally.
		ON	Opening gate will stop and begin to close as soon as all reversing inputs (Reverse loops, photo sensors) are cleared regardless of the distance the gate has opened.
7 and 8	Gate **Close** Back-Off Position	7-OFF 8-OFF	**Normal Setting.** Gate fully closes.
		7-OFF 8-ON	Gate stops short 1" from full close position. Used for a reversing edge device.
		7-ON 8-OFF	Gate stops short 2" from full close position. Used for a reversing edge device.
		7-ON 8-ON	Gate stops short 3" from full close position. Used for a reversing edge device.

Important: Controls must be far enough from the gate so that the user is prevented from coming in contact with the gate while operating the controls. Outdoor or easily accessible controls should have a security feature to prevent unauthorized use.



#5 Terminal Note (Single Operator Only): Any opening device connected to terminal #5 will open the gate to the partial open 14-ft setting. Secondary entrapment protection devices will also open the gate to the partial open setting. If the **Inherent Reverse Sensor** gets activated during the close cycle, it will always **fully** open the gate.



SW 2, switch 3 must be **OFF**.
SW 2