

# QUICKSTART "BASIC" GUIDELINES FOR MODEL 9050 - FRONT INSTALLATION MOUNTED ON A CONCRETE PAD

Model 9050 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.

UL 325 August  
2018 Standard



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

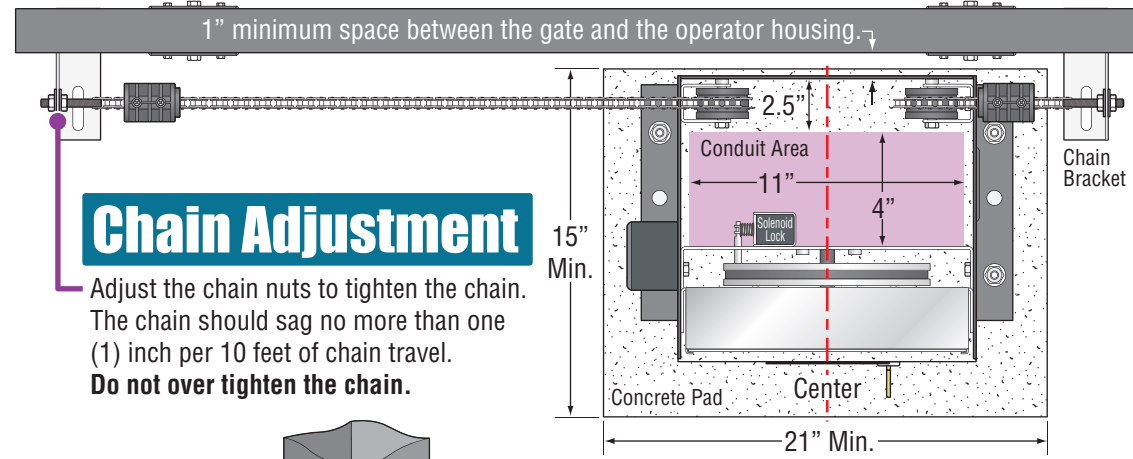
## Physical Stops MUST be Used to Stop Gate

**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.

- Operator and Chain **MUST** be parallel to gate!
- Chain bracket **MUST** align with idler wheels!

## Chain Adjustment

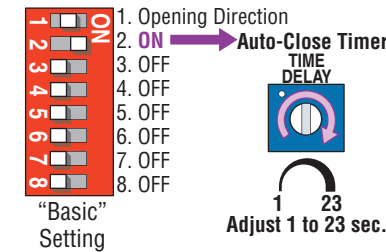
Adjust the chain nuts to tighten the chain. The chain should sag no more than one (1) inch per 10 feet of chain travel. **Do not over tighten the chain.**



## Concrete Pad and Conduit Area

## DIP-Switches

**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)



## Automatic Limits

The operator's open/close limits **DO NOT** have to be physically adjusted. **Every time the operator 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.

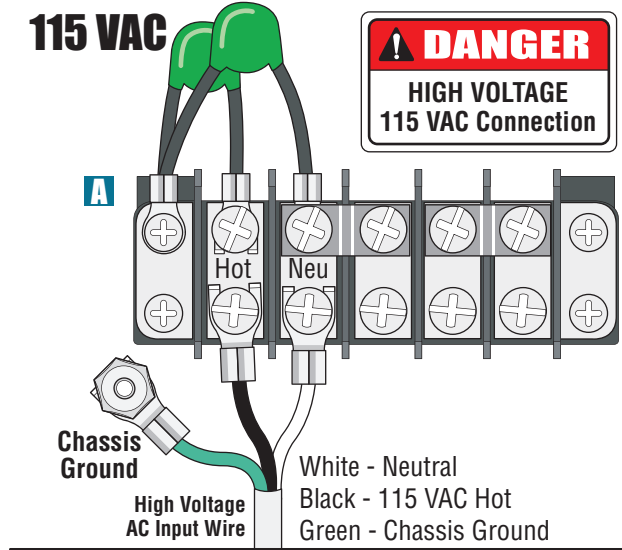
**Note:** Auto-close timer should be on before running this sequence.

**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 external entrapment protection devices in EACH direction of gate travel (minimum of 2 external devices required). See manual for more information.**

## 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 9050 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.doorking.com](http://www.doorking.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

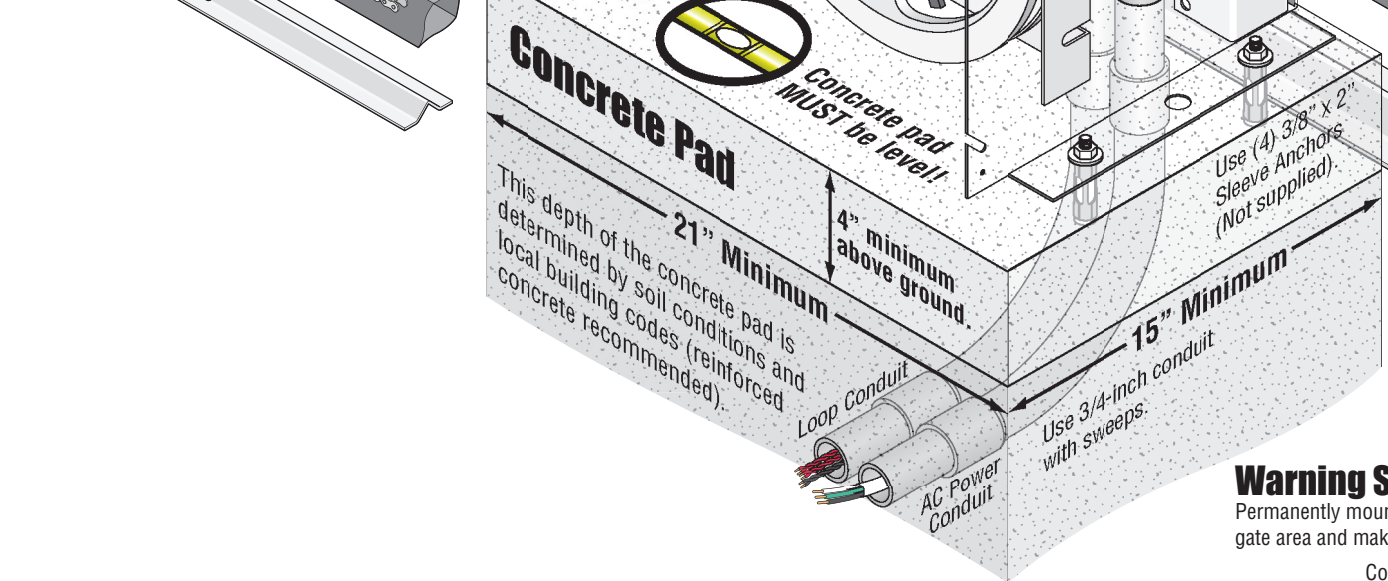
**C** Not included - Refer to a specific Radio Receiver Manual (available from [www.doorking.com](http://www.doorking.com)) for more information on radio receivers and antenna installation. See reverse side for wiring.



**IMPORTANT:** Electronic box **MUST** be in the down position and secured for operator to function.

**Connect Chain Bracket and Chain to Gate**  
Loosen the 2 nuts under the electronic box to swing box up.

Chain nut and chain bolt should not protrude past gate frame.



Chain brackets **MUST** be mounted the same height as the chain on the idler wheels!

**Warning Signs**  
Permanently mount signs on **BOTH** sides of the gate area and make sure they are easily visible.



# QUICKSTART "BASIC" GUIDELINES FOR MODEL 9050 - DIP-SWITCH AND WIRING REFERENCE

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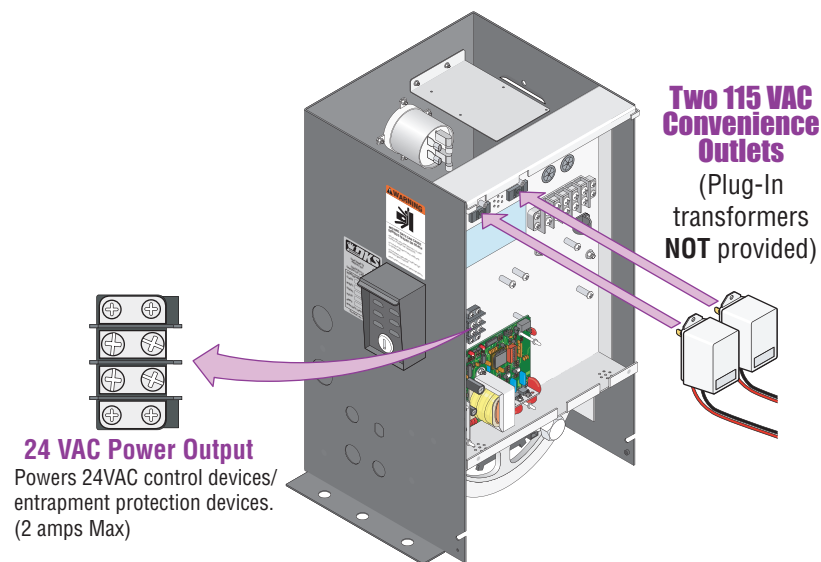
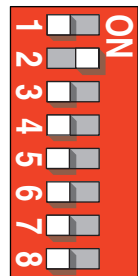
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## DIP-Switches

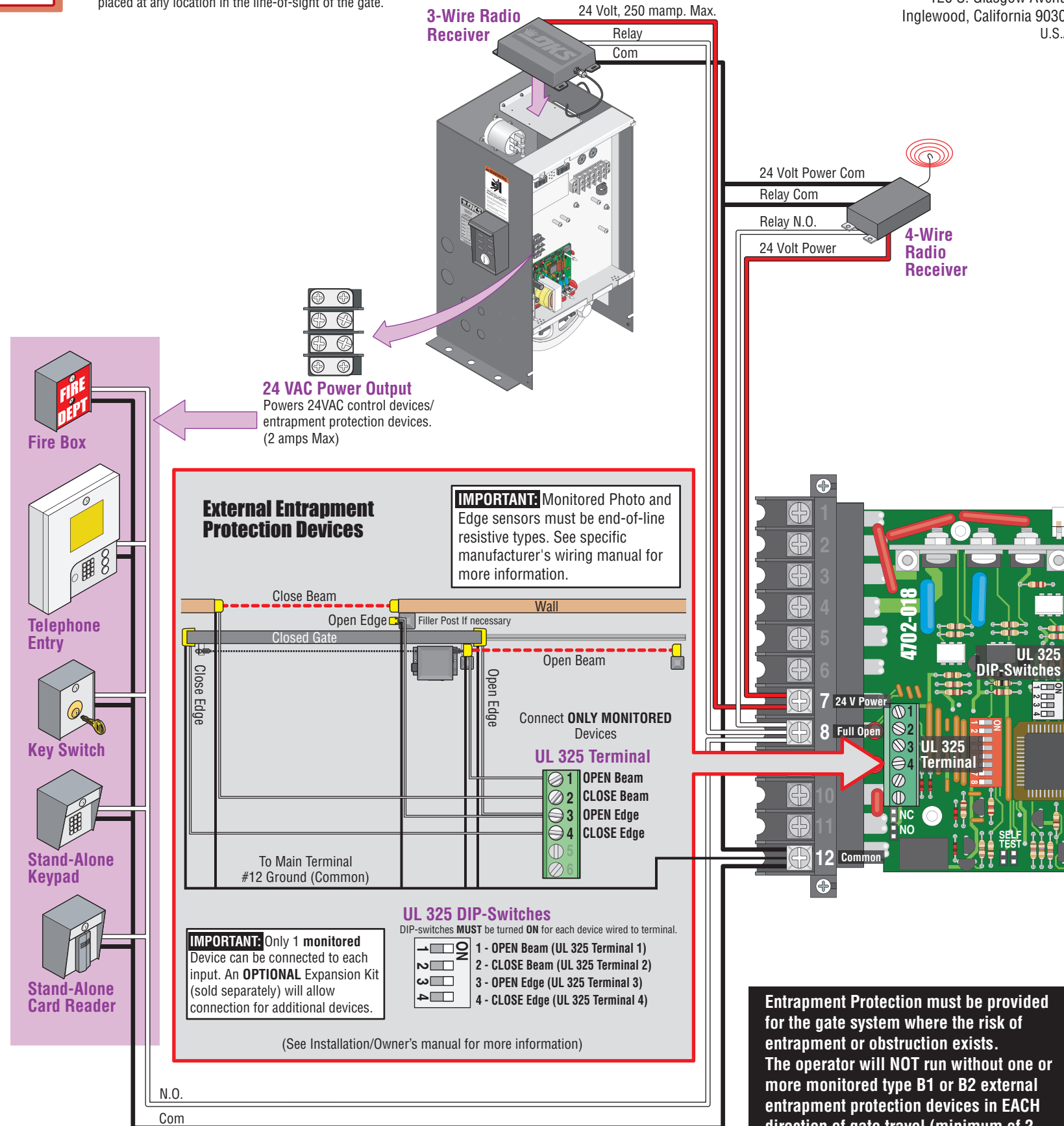
**⚠ Every time the operator is powered up, the First open command will automatically run "Multiple gate cycles" that will locate and remember the gate's open and close positions.**

Switch	Function	Setting	Description
1	Changes the direction the operator will open/close the gate depending on the different chain configurations.	Opening direction using OFF setting.	Opening direction using ON setting.
		Opening direction using ON setting.	Opening direction using OFF setting.
		Opens with ON setting.	Opens with OFF setting.
		Opening direction using ON setting.	Opening direction using OFF setting.
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	Relay	OFF	Relay is activated when gate is full open.
		ON	Relay is activated when gate is not closed.
4	Built-In Solenoid Lock	OFF	<b>Normal Setting.</b> Fail-Safe (Factory Set). Lock engages only when an attempt is made to manually force the gate open.
		ON	Fail-Secure. Lock engages after each cycle. <b>CAUTION:</b> Do not use this setting unless the 2600-862 manual release kit has been installed or <b>damage will occur to operator.</b>
5 and 6	Gate Open Back-Off Position	5-OFF 6-OFF	<b>Normal Setting.</b> Gate fully opens.
		5-OFF 6-ON	Gate stops short 1" from full open position. Used for a reversing edge device.
		5-ON 6-OFF	Gate stops short 2" from full open position. Used for a reversing edge device.
		5-ON 6-ON	Gate stops short 3" from full open position. Used for a reversing edge device.
7 and 8	Gate Close Back-Off Position	7-OFF 8-OFF	<b>Normal Setting.</b> 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.

**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.



**Important:** Controls intended for user activation must be located at least six (6) feet away from any moving part of the gate and where the user is prevented from reaching over, under, around or through the gate to operate the controls. Emergency access controls only accessible by authorized personnel (e.g., fire, police, EMS) may be placed at any location in the line-of-sight of the gate.



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