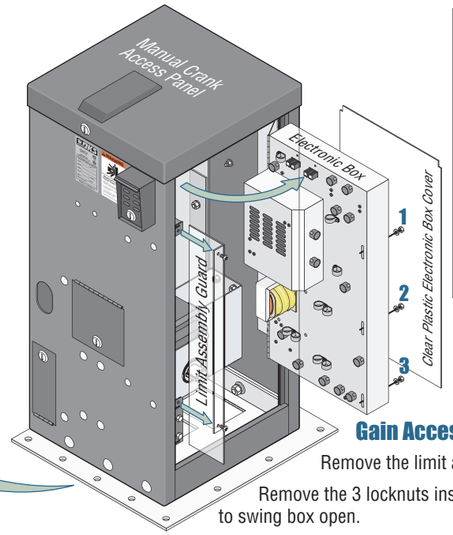
QUICKSTART "BASIC" GUIDELINES FOR MODEL 9200 "FULL OPEN": MOUNTED DIRECTLY ON A CONCRETE PAD

UL 325 August 2018 Standard

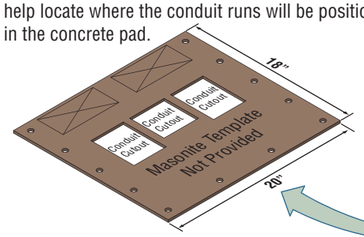
DOORKING®
120 S. Glasgow Avenue
Inglewood, California 90301
U.S.A.

All 9200 Models: DoorKing highly recommends using the pedestal mounting stand for gates heavier than 2000 lbs. for a more secure attachment to a larger and heavier concrete pad.



Caution: Never attempt to manually operate the 9200 until you have verified that power has been shut-off.

Tip: Trace the base plate of the operator on a piece of masonite (Not provided) and make a template to help locate where the conduit runs will be positioned in the concrete pad.



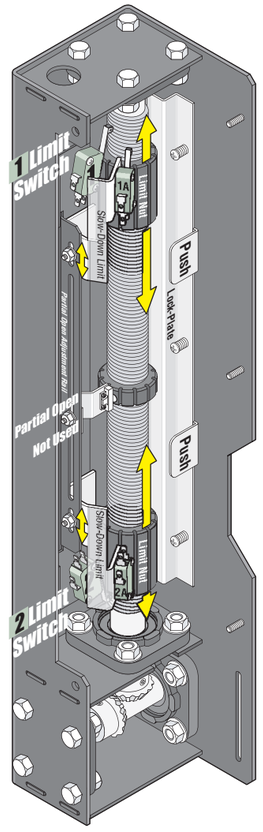
Conduit suggestions:
- High voltage conduit
- Low voltage access control device conduit
- Reverse loop conduit
- Automatic exit loop conduit

Gain Access Inside Operator

Remove the limit assembly guard.

Remove the 3 locknuts inside the electronic box to swing box open.

Limit Switches

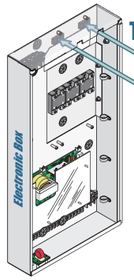


With power **OFF**, push and hold the lock plate down where shown to adjust the Open and Close limit nuts. After adjusting the limit-nuts, be sure that the lock-plate is engaged in the slots on the limit-nuts to prevent them from rotating.

The slow-down limits on all models but the 9210 will move up or down 3/4 inch. **DO NOT** remove the slow-down limit assembly from the 3/4 inch slot and re-attach it in the longer slot on the partial open adjustment rail to gain further adjustment. **This will cause mechanical damage to the switch assembly when the operator is activated.**

Turn power **ON** and activate the gate operator. Re-adjust the limit nuts as necessary for full-open and full-close gate travel. After you are satisfied with the gate limit settings, the speed control knob can then be adjusted on all models but the 9210 to personal preference.

Two 115 VAC Convenience Outlets



Power safety and opening devices that require 115 VAC power.

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).

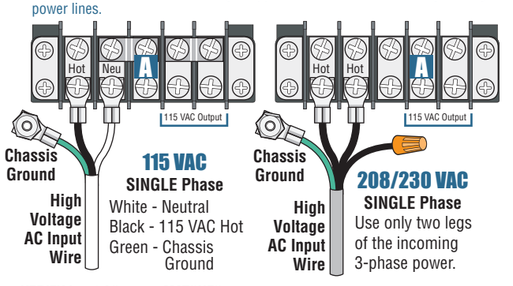
This vehicular gate operator is designed for Class III and Class IV applications only and must never be used in applications serving the general public.

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

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.

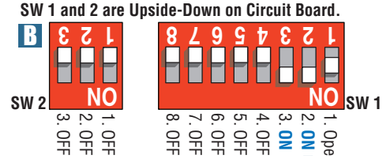


VERIFY Input AC power MATCHES your specific operator power BEFORE wiring!

Check polarity of Three Phase: Position the gate half way open. Give open command and while gate is opening, activate the appropriate limit switch with your finger. Gate should **STOP**. If it does not, activate the other limit switch. If this STOPS the gate, AC power wires must be changed (Reverse the connection of any 2 wires and re-check limits).

DIP-Switches

SW 1 and 2 are Upside-Down on Circuit Board.



Auto-Close Timer

See reverse side

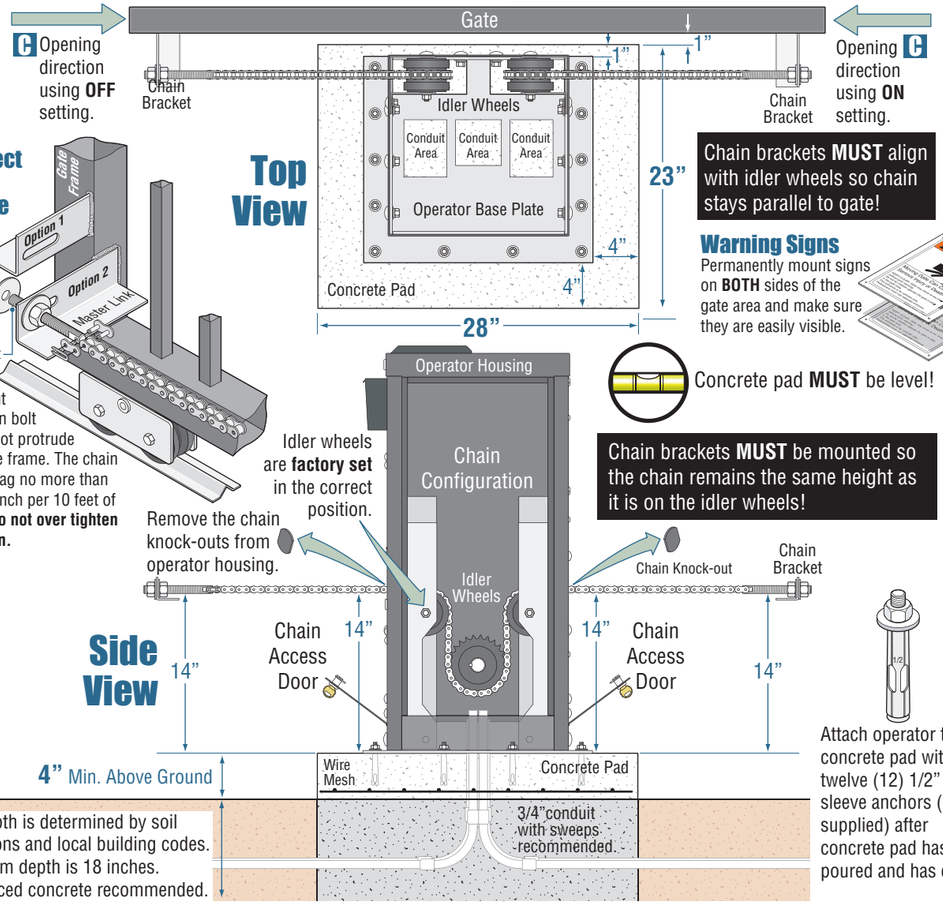
Adjust 1 to 23 sec.

Plug-In Loop Detectors

Not included - Refer to the Installation/Owner's manual **AND** Loop Information Manual (available from 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.

Operator **MUST** be parallel to gate!



Chain brackets **MUST** align with idler wheels so chain stays parallel to gate!

Warning Signs

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

Concrete pad **MUST** be level!

Chain brackets **MUST** be mounted so the chain remains the same height as it is on the idler wheels!

Attach operator to concrete pad with twelve (12) 1/2" x 3" sleeve anchors (not supplied) after concrete pad has been poured and has cured.

QUICKSTART "BASIC" GUIDELINES FOR MODEL 9200 - DIP-SWITCH AND WIRING REFERENCE

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This vehicular gate operator is designed for Class III and Class IV applications only and must never be used in applications serving the general public.

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

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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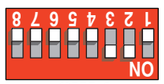
SW 1 DIP-Switches (Right Hand Side)



SW 1
Upside-Down on Circuit Board.

SW 1 - Right 8 Switches

Switch	Function	Setting	Description
1	Changes the direction the operator will open/close the gate.		Opening direction using **OFF** setting. Opening direction using **ON** setting. Factory Set Configuration
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	Exit Loop Port Output	Jumper Wire Needed See Manual OFF	The output wired to terminal #4 becomes the output from the loop detector installed in the **EXIT** loop port. Plug-in loop detector required for "OFF" function.
	Full Open Input	ON	**Normal Setting.** Terminal #4 is a normal full open input for a single gate operator.
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	Warn Before Operate	OFF	Internal alarm will **NOT** sound.
		ON	Internal alarm will sound before gate starts and throughout gate's cycle.
7	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.
8	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.

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 DIP-Switches (Left Hand Side)

SW 2
Upside-Down on Circuit Board.

SW 2 - Left 3 Switches

Switch	Function	Setting	Description
1	Self-Test	OFF	**Normal Setting.** Normal gate operation.
		ON	Self-test mode. Operator **MUST** be disconnected from gate to run self-test.
2	Gate Opens Uphill	OFF	**Normal Setting.** Normal gate operation.
		ON	**MUST** be ON if gate opens UPHILL.
3	Gate Opens Downhill	OFF	**Normal Setting.** Normal gate operation.
		ON	**MUST** be ON if gate opens DOWNHILL.

Main Terminal