

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

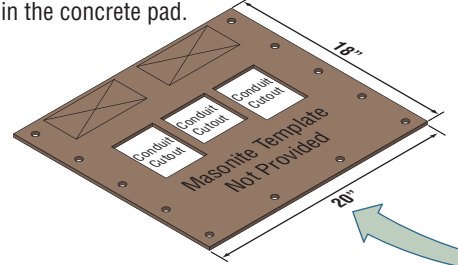
UL 325 August 2018 Standard



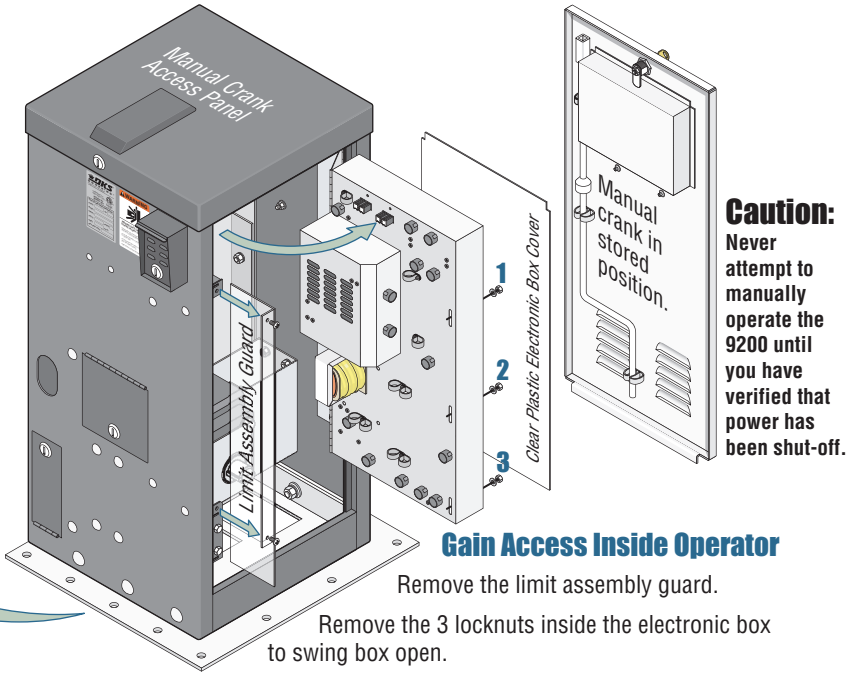
120 S. Glasgow Avenue
Inglewood, California 90301
U.S.A.

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.

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.

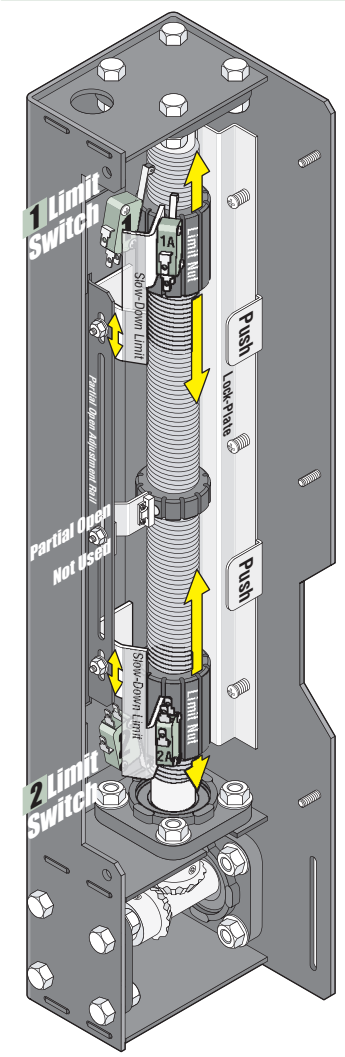


- Conduit suggestions:
- High voltage conduit
 - Low voltage access control device conduit
 - Reverse loop conduit
 - Automatic exit loop conduit



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

Limit Switches



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.

⚠ DANGER HIGH VOLTAGE!

115 VAC Convenience Outlets

Anti-Grounding Plate

⚠ CAUTION High Voltage AC input power **MUST MATCH** the operator specifications or **DAMAGE** will occur and **VOID** the warranty!

DO NOT power up and cycle the operator until the "DIP-Switches" and the "Limit Switches" have been adjusted. **Damage could occur to the gate and operator.**

Speed Control Knob
On all models but 9210.

9410 Plug-In Loop Detector

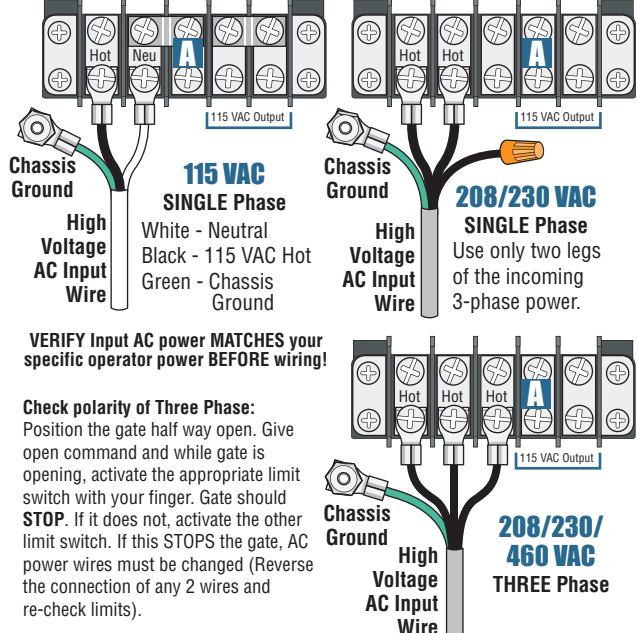
9410 Plug-In Loop Detector

Limit LEDs

See reverse side to wire terminals.

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.



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!

Idler wheels are factory set in the correct position.

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.

Top View
28" width, 23" height, 4" offset from concrete pad.

Side View
14" height from concrete pad, 4" min. above ground.

Opening direction using OFF setting.

Opening direction using ON setting.

Connect Chain to Gate
Option 1: Chain Bolt
Option 2: Master Link

Remove the chain knock-outs from operator housing.

Chain Access Door

Wire Mesh

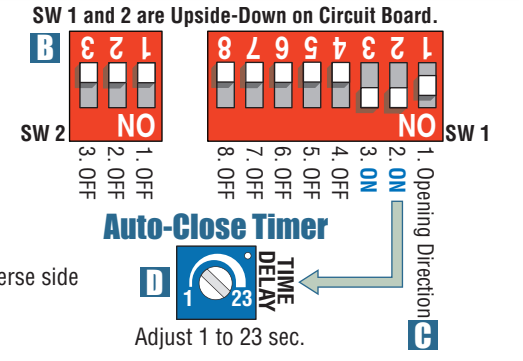
3/4" conduit with sweeps recommended.

Pad depth is determined by soil conditions and local building codes. Minimum depth is 18 inches. Reinforced concrete recommended.

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.

DIP-Switches



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 prevent the gate from automatically opening or closing on a vehicle when it is in the gate's path.

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

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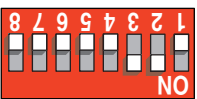
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For safety and installation instructions, please refer to the Installation/Owner's manual.

SW 1 DIP-Switches (Right Hand Side)

SW 1 - Right 8 Switches			
Switch	Function	Setting	Description
1	Changes the direction the operator will open/close the gate.		
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.



SW 1
Upside-Down on Circuit Board.

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 - 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.



SW 2
Upside-Down on Circuit Board.

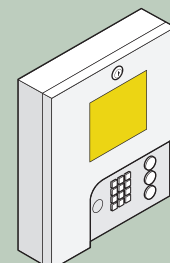
Important: Controls intended for user activation must be located at least six (6) feet away from any moving part of the gate and where the user is prevented from reaching over, under, around or through the gate to operate the controls. Emergency access controls only accessible by authorized personnel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

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 protection devices in EACH direction of gate travel (minimum of 2 external devices required).

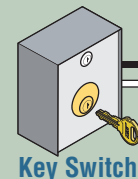
Note: All stand-alone and telephone entry devices must use a separate power source.



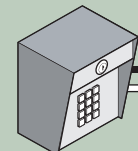
SW 1, Switch 3 **MUST** be ON except for exit loop partial open applications.



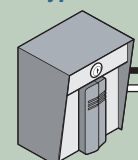
Telephone Entry



Key Switch

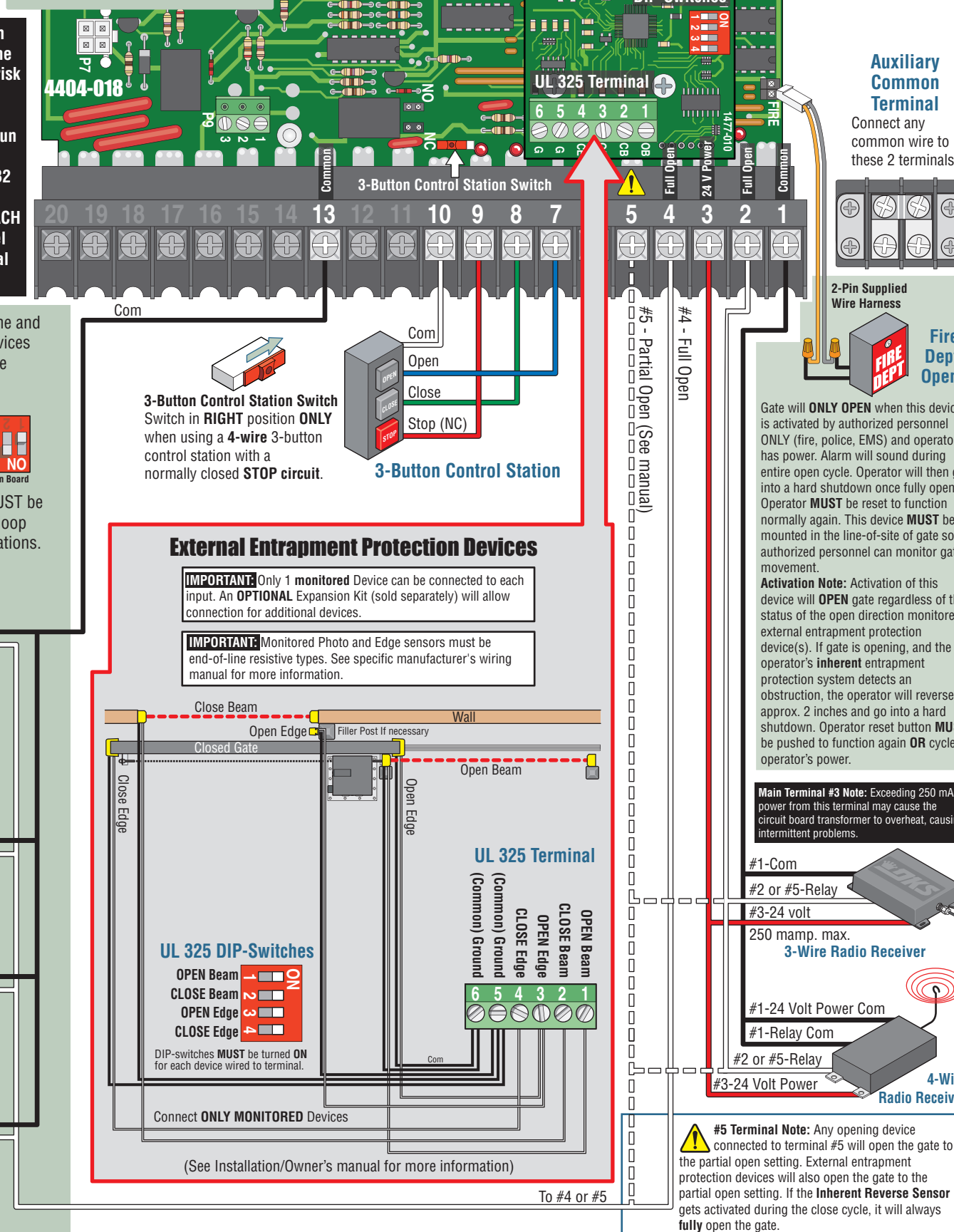


Stand-Alone Keypad



Stand-Alone Card Reader

Main Terminal



Auxiliary Common Terminal
Connect any common wire to these 2 terminals.



Gate will **ONLY OPEN** when this device is activated by authorized personnel ONLY (fire, police, EMS) and operator has power. Alarm will sound during entire open cycle. Operator will then go into a hard shutdown once fully opened. Operator **MUST** be reset to function normally again. This device **MUST** be mounted in the line-of-site of gate so authorized personnel can monitor gate movement.
Activation Note: Activation of this device will **OPEN** gate regardless of the status of the open direction monitored external entrapment protection device(s). If gate is opening, and the operator's **inherent** entrapment protection system detects an obstruction, the operator will reverse approx. 2 inches and go into a hard shutdown. Operator reset button **MUST** be pushed to function again **OR** cycle operator's power.