

# QUICKSTART "BASIC" GUIDELINES FOR MODEL 9200 "FULL OPEN": MOUNTED ON THE PEDESTAL MOUNTING STAND

UL 325 August  
2018 Standard

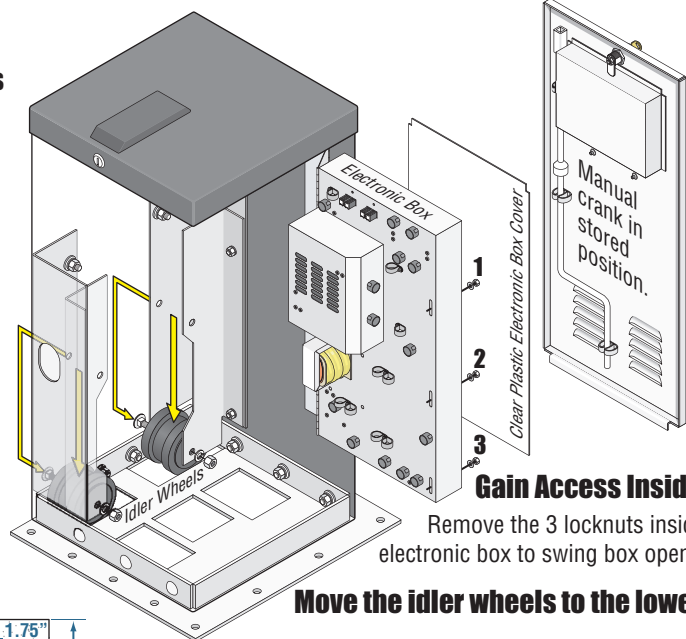
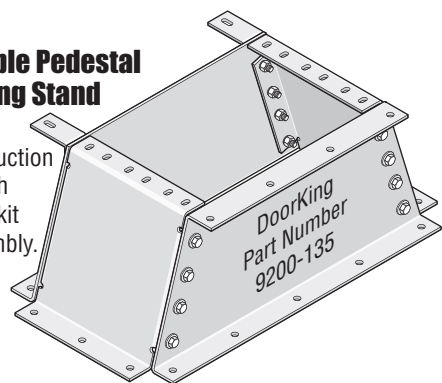


120 S. Glasgow Avenue  
Inglewood, California 90301  
U.S.A.

**Fits on All 9200 Models.**  
Standard with 9230, 9235, 9240 and 9245 Models

## Assemble Pedestal Mounting Stand

See instruction sheet with pedestal kit for assembly.



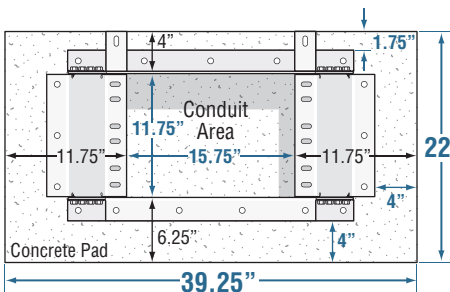
**Caution:**  
Never attempt to manually operate the 9200 until you have verified that power has been shut-off.

**Gain Access Inside Operator**

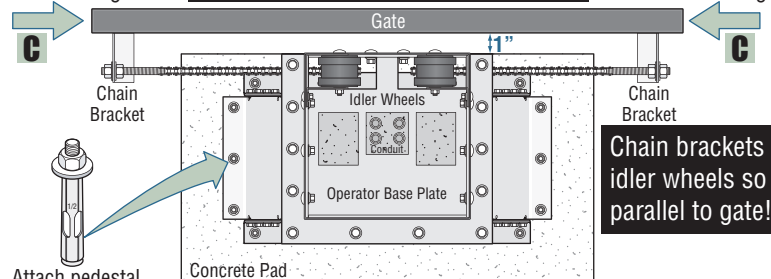
Remove the 3 locknuts inside the electronic box to swing box open.

**Move the idler wheels to the lower position.**

## Concrete Pad Dimensions, Pedestal Mounting Stand and Conduit Positions



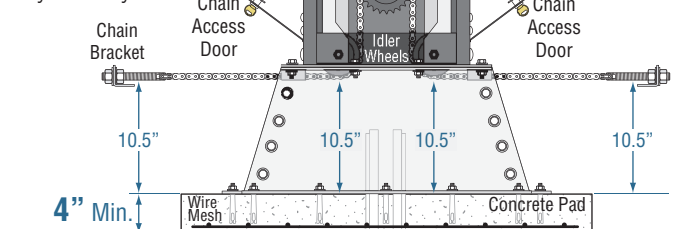
Opening direction OFF setting. **Operator MUST be parallel to gate!** Opening direction ON setting.



Attach pedestal stand with sixteen (16) 1/2" x 3" sleeve anchors (not supplied) after concrete pad has been poured and has cured.

## Warning Signs

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



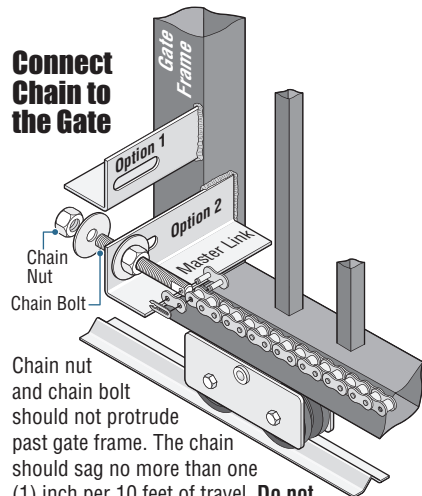
**Warning:** Pedestal mounting stand MUST be level!

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

## Side Views

12 Sets Washer Lockwasher Bolt operator to pedestal with hardware supplied in pedestal kit.

## Connect Chain to the Gate

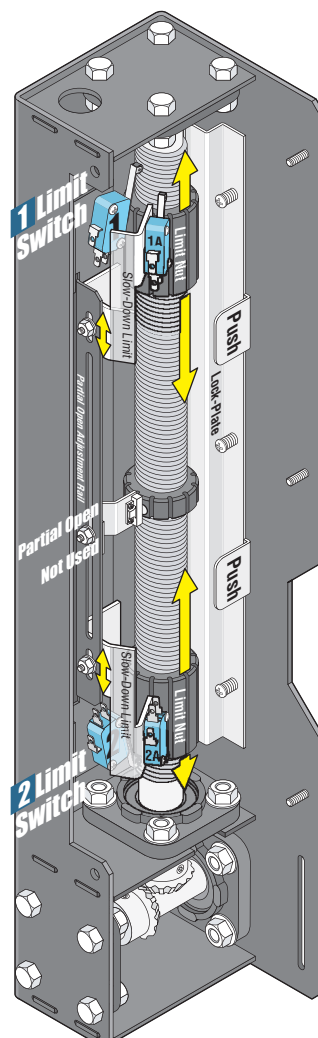


Chain nut and chain bolt should not protrude past gate frame. The chain should sag no more than one (1) inch per 10 feet of travel. **Do not over tighten the chain.**

## "Optional" Chain Tray Kit

Recommended for gates longer than 20 ft. to support the weight of the chain. DoorKing offers a chain tray and supporting brackets in 10 ft. sections to fit any length gate (DoorKing Part Number 2601-270, 10 Ft. section). See instruction sheet with chain tray kit for installation.

## 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

**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.

See manual for info about dual speed controls.

9235 9220, 9230, 9240, 9245

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.

115 VAC SINGLE Phase  
White - Neutral  
Black - 115 VAC Hot  
Green - Chassis Ground

208/230 VAC SINGLE Phase  
Use only two legs of the incoming 3-phase power.

208/230/460 VAC THREE Phase

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.

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

SW 2: 1. OFF, 2. OFF, 3. OFF

Auto-Close Timer  
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](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 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

UL 325 August 2018 Standard



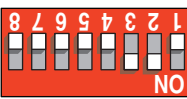
120 S. Glasgow Avenue  
Inglewood, California 90301  
U.S.A.

**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.

## 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 ON	Auto-close timer is OFF. Manual input required to close gate. 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	<b>Normal Setting.</b> 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 4-OFF 5-ON 4-ON 5-OFF 4-ON 5-ON	Relay activates and LED is ON when the gate is fully open. Relay activates and LED is ON when the gate is not closed. Relay activates and LED is ON when the gate is opening and open. Relay activates and LED is ON when the gate is opening and closing.
6	Warn Before Operate	OFF ON	Internal alarm will <b>NOT</b> sound. Internal alarm will sound before gate starts and throughout gate's cycle.
7	Reverses Gate	OFF	<b>Normal Setting.</b> 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 ON	<b>Normal Setting.</b> Timer will function normally. 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 ON	<b>Normal Setting.</b> Normal gate operation. Self-test mode. Operator <b>MUST</b> be disconnected from gate to run self-test.
2	Gate Opens Uphill	OFF ON	<b>Normal Setting.</b> Normal gate operation. <b>MUST</b> be ON if gate opens UPHILL.
3	Gate Opens Downhill	OFF ON	<b>Normal Setting.</b> Normal gate operation. <b>MUST</b> be ON if gate opens DOWNHILL.



**SW 2**  
Upside-Down on Circuit Board.

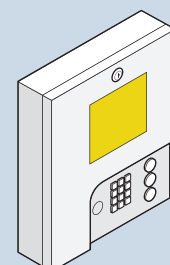
**Important:** Controls intended for user activation must be located at least six (6) feet away from any moving part of the gate and where the user is prevented from reaching over, under, around or through the gate to operate the controls. Emergency access controls only accessible by authorized personnel (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 entrapment protection devices in EACH direction of gate travel (minimum of 2 external devices required).

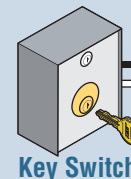
Note: All stand-alone and telephone entry devices must use a separate power source.



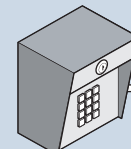
SW 1, Switch 3 **MUST** be ON except for exit loop partial open applications.



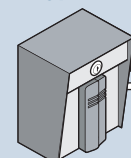
Telephone Entry



Key Switch



Stand-Alone Keypad



Stand-Alone Card Reader

## Main Terminal

