

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

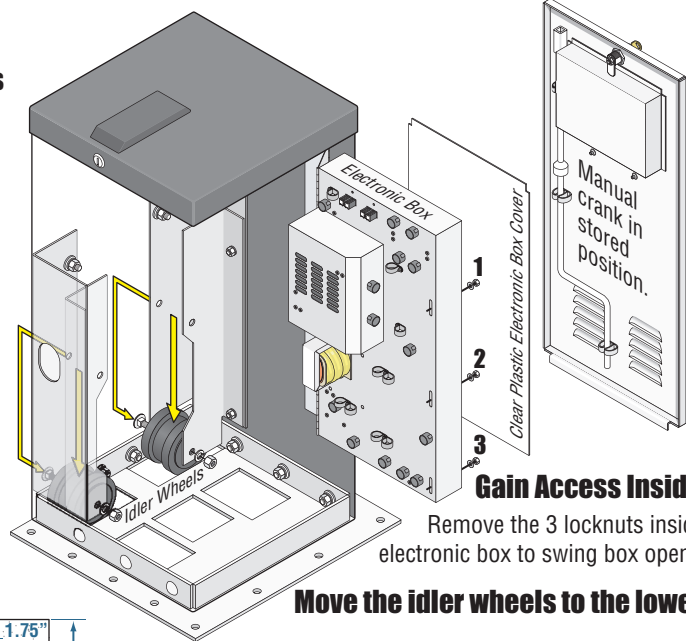
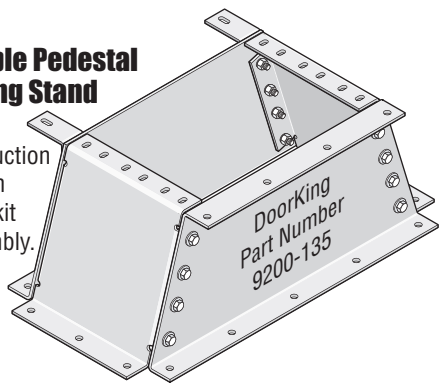


120 S. Glasgow Avenue
Inglewood, California 90301
U.S.A.

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.



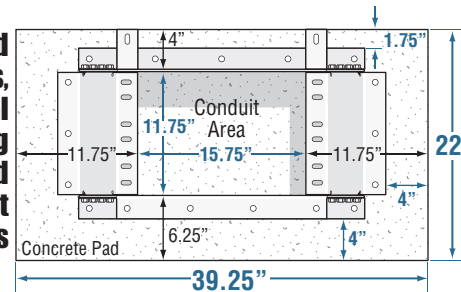
Caution:
Never attempt to manually operate the 9200 until you have verified that power has been shut-off.

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

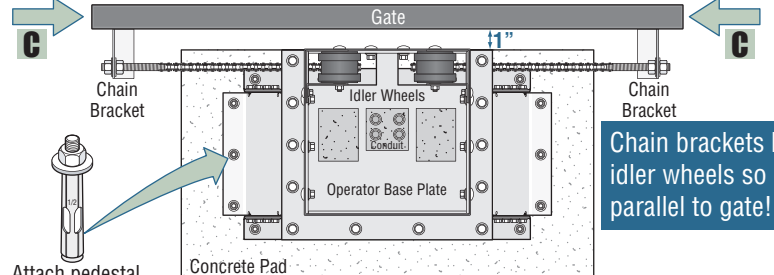


Opening direction OFF setting.

Operator MUST be parallel to gate!

Opening direction ON setting.

Top Views



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

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

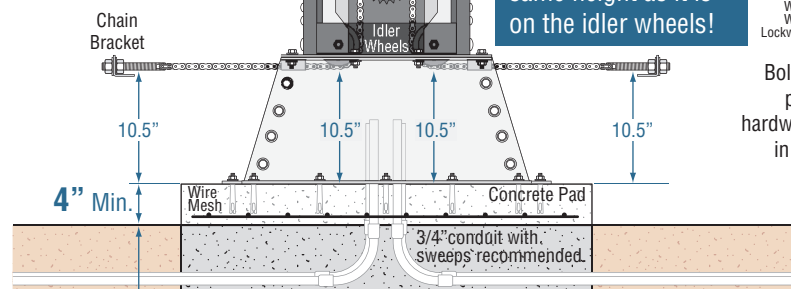
Warning Signs

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



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

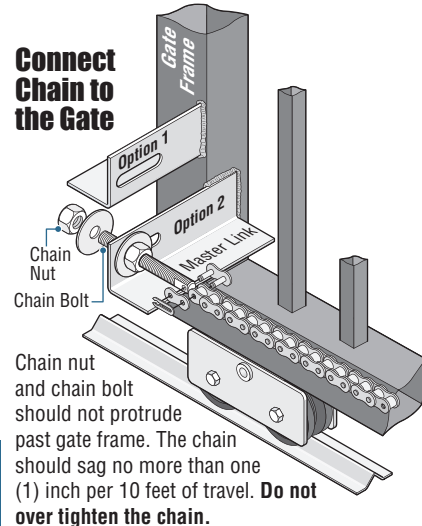
Side Views



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

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

Connect Chain to the Gate

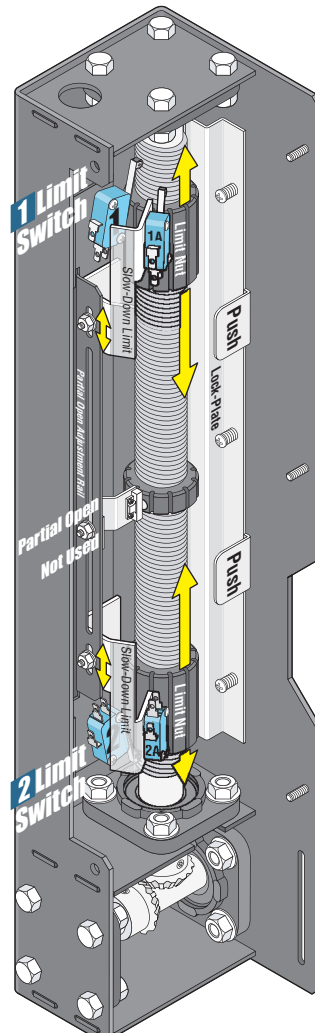


Chain nut and chain bolt should not protrude past gate frame. The chain should sag no more than one (1) inch per 10 feet of travel. **Do not over tighten the chain.**

"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.

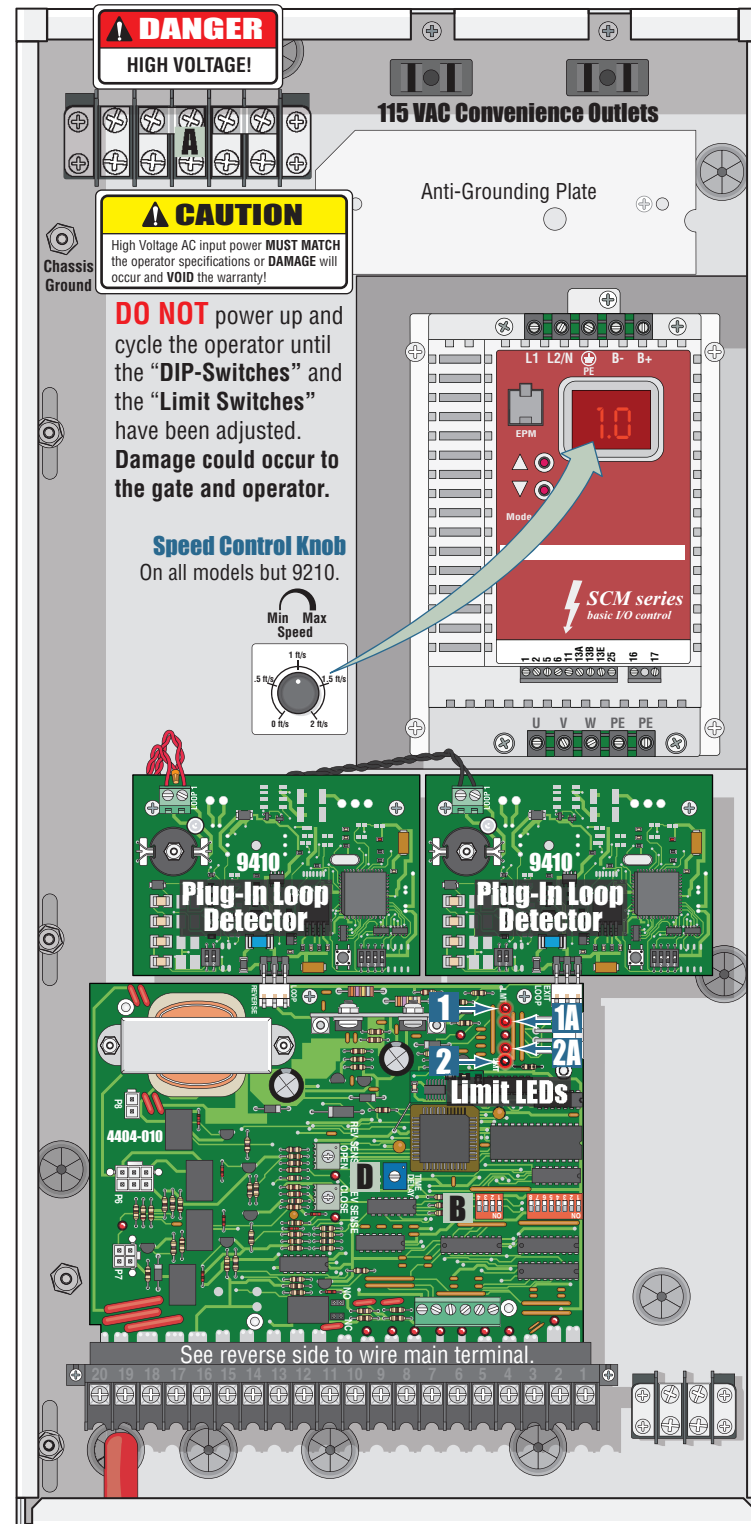
Two 115 VAC Convenience Outlets

Power safety and opening devices that require 115 VAC power.

All potential entrapment areas MUST be protected with an external entrapment protection device. At least ONE external entrapment protection device MUST be installed or the operator will NOT function.

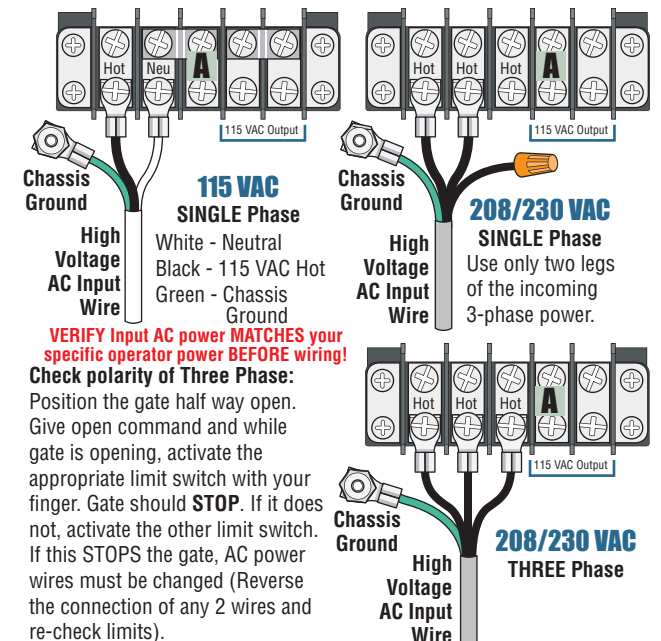
This vehicular gate operator is designed for Class III and Class IV applications only and must never be used in applications serving the general public.

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



High Voltage Connection

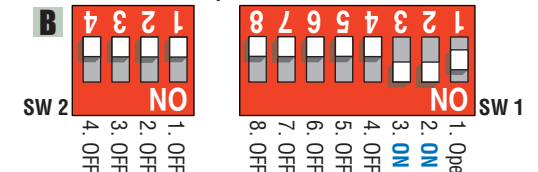
GATE OPERATOR MUST BE PROPERLY GROUNDED!
Tip: It is recommended that a surge suppressor be installed on the high voltage power lines.



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.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.

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



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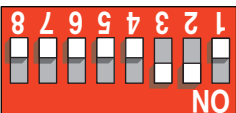
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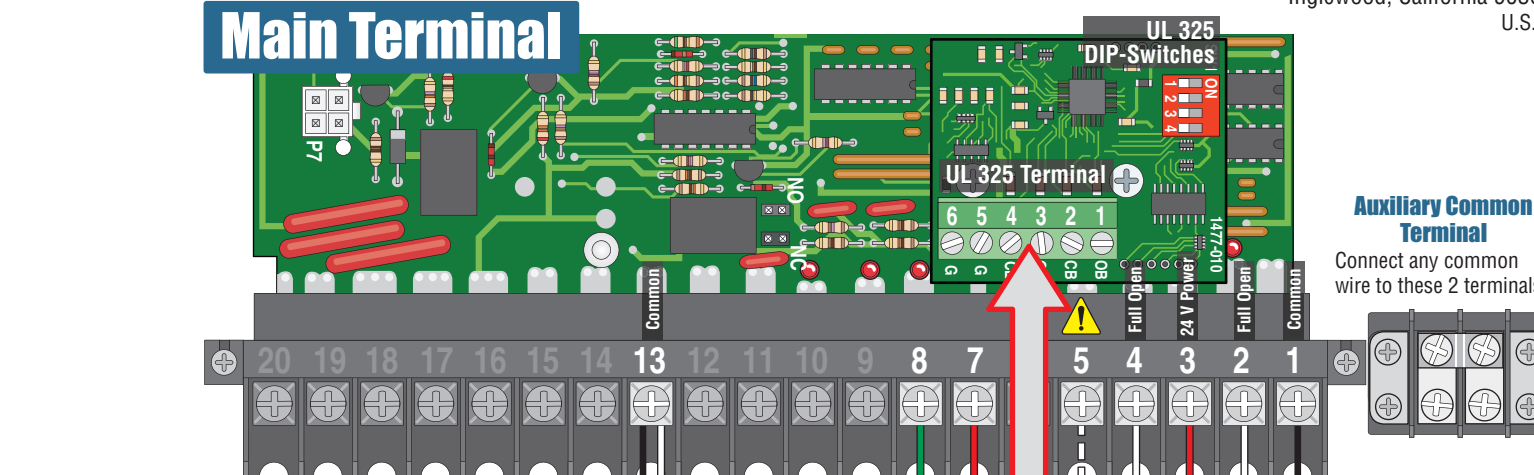
Important: Controls intended for user activation must be located at least six (6) feet away from any moving part of the gate and where the user is prevented from reaching over, under, around or through the gate to operate the controls. Emergency access controls only accessible by authorized personnel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

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	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 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	Normal Setting. No sound. 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 ON	Normal Setting. 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.



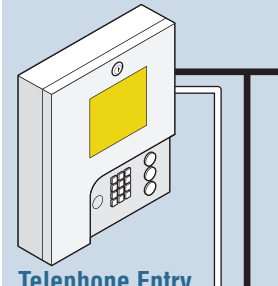
SW 1
Upside-Down on Circuit Board.



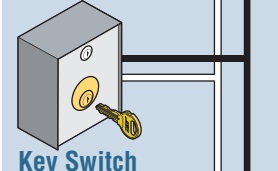
Note: All stand-alone and telephone entry devices must use a separate power source.



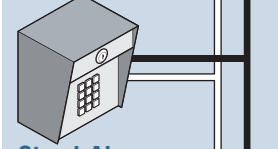
SW 1 is Upside-Down on Board
SW 1, Switch 3 MUST be ON except for dual operators or exit loop partial open applications.



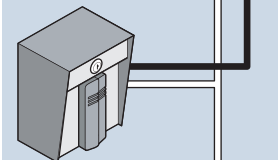
Telephone Entry



Key Switch



Stand-Alone Keypad

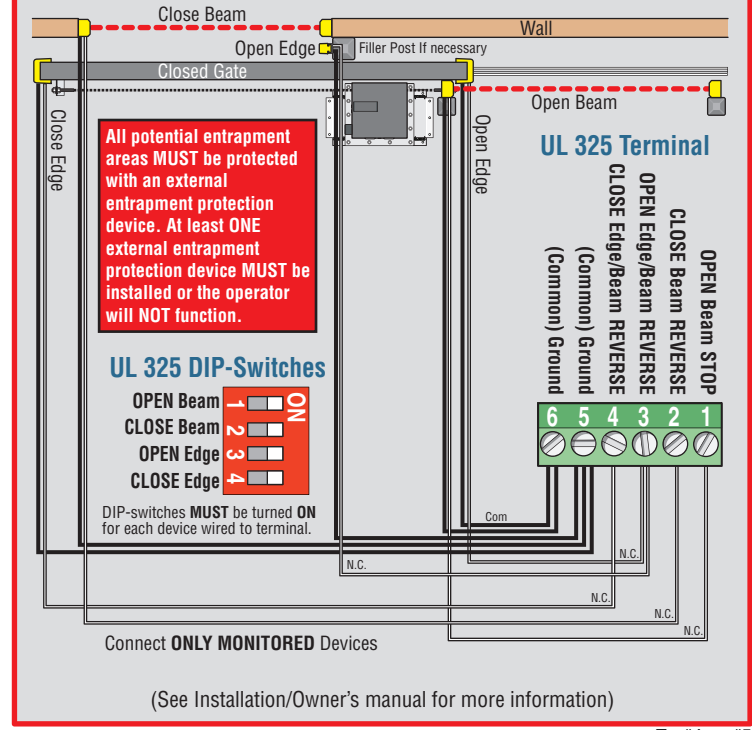


Stand-Alone Card Reader

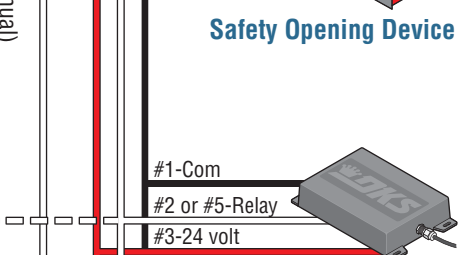
External Entrapment Protection Devices

IMPORTANT: Only 1 monitored Device can be connected to each input. An **OPTIONAL** Expansion Kit (sold separately) will allow connection for additional devices.

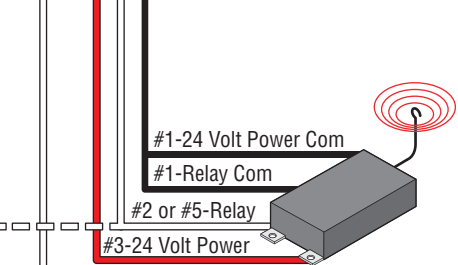
IMPORTANT: Photo sensors must use **Normally Closed (NC)** contacts with the beam set for light operate (relay activated when beam is not obstructed).



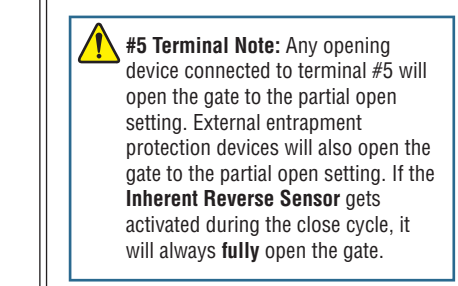
Connect **ONLY MONITORED** Devices
(See Installation/Owner's manual for more information)



Safety Opening Device



3-Wire Radio Receiver

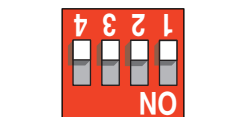


4-Wire Radio Receiver

#5 Terminal Note: Any opening device connected to terminal #5 will open the gate to the partial open setting. External 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 DIP-Switches (Left Hand Side)

SW 2 - Left 4 Switches			
Switch	Function	Setting	Description
1	Self-Test	OFF ON	Normal Setting. Normal gate operation. Self-test mode. Operator MUST be disconnected from gate to run self-test.
2	Gate Opens Uphill	OFF ON	Normal Setting. Normal gate operation. MUST be ON if gate opens UPHILL.
3	Gate Opens Downhill	OFF ON	Normal Setting. Normal gate operation. MUST be ON if gate opens DOWNHILL.
4	Spare	OFF	Leave in the OFF position.



SW 2
Upside-Down on Circuit Board.