Adjustment of Limit Switches

Adjust the 2 limit nuts by depressing the lock plate and spin nuts to desired open and closed gate positions. After adjusting, make sure the lock-plate is engaged in the slots on the limit-nuts to prevent them from rotating. See manual for more information.

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.

High Voltage Connection

GATE OPERATOR MUST BE PROPERLY GROUNDED!

Tip: It is recommended that a surge suppressor be installed on the input high voltage power line.

DIP-Switches

Typical Single Operator Settings

1. Opening Direction (See Illustration)
2. OFF
3. ON
4. OFF
5. OFF
6. OFF
7. OFF
8. OFF

Adjust 1 to 23 sec. (See reverse side for more information).

Auto-Close Timer

115 VAC

Tip: "Optional" High Voltage Kit black and white wires connect the same as shown. See High Voltage Kit Instruction sheet for more information.

Input Power Line: White - Neutral
Black - 115 VAC Hot
Green - Chassis Ground

Chain, Conduit Area and Concrete

4" minimum space between the gate and operator chassis.

WARNING: 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.

GATE OPERATOR MUST BE PROPERLY GROUNDED!!

HIGH VOLTAGE

DANGER

ENTRAPMENT PROTECTION

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

Profile Sheet

Wholesale Sales

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

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DANGEROUS

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

Radio Receiver

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

Loop Detectors

Not included - Refer to the Installation/Owner’s manual for more information about DoorKing’s Plug-In loop detectors. DoorKing highly recommends that loops and loop detectors are installed with this side gate operator. DoorKing offers a free "Loop and Loop-Detectors Information Manual" PDF located at DoorKing’s web site for more information. www.doorking.com

Typical Single Operator Settings

1. Opening Direction (See Illustration)
2. OFF
3. ON
4. OFF
5. OFF
6. OFF
7. OFF
8. OFF

Adjust 1 to 23 sec. (See reverse side for more information).

Input Power Line: White - Neutral
Black - 115 VAC Hot
Green - Chassis Ground

Two 115 VAC Convenience Outlets

For access control and safety device AC power.

Concrete Pad

Concrete Pad MUST be level!

Concrete Pad MUST be parallel to gate!

DANGER

It is recommended that a surge suppressor be installed on the input high voltage power line.

Tip: "Optional" High Voltage Kit black and white wires connect the same as shown. See High Voltage Kit Instruction sheet for more information.

Input Power Line: White - Neutral
Black - 115 VAC Hot
Green - Chassis Ground

Radio Receiver

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

Chain bracket MUST line up with chain idler wheels!

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Two 115 VAC Convenience Outlets

For access control and safety device AC power.
Quickstart “Basic” Guidelines for Model 9000 - DIP-Switch and Wiring Reference

Model 9000 is intended for installation only on slide 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.

### SW 1 DIP-Switches

<table>
<thead>
<tr>
<th>Switch</th>
<th>Function</th>
<th>Setting</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Primary Operator</td>
<td>ON</td>
<td>Opening direction using ON setting. Changes direction operator will cycle open</td>
</tr>
<tr>
<td></td>
<td>Opening Direction</td>
<td></td>
<td>using initial AC power up and open command.</td>
</tr>
<tr>
<td>2</td>
<td>Secondary Operator</td>
<td>OFF</td>
<td>Exit Loop Port Output. The output wired to terminal #4 becomes the output from the exit loop detector plugged into the EXIT Loop Port.</td>
</tr>
<tr>
<td></td>
<td>Opening Direction</td>
<td></td>
<td>Full Open Input. Normal Setting. Terminal #4 is a normal full open input.</td>
</tr>
<tr>
<td>3</td>
<td>Auto-Close Timer</td>
<td>ON</td>
<td>Normal Setting. Auto-Close timer is ON. Adjutable from 1-23 seconds.</td>
</tr>
<tr>
<td>4</td>
<td>Reverses Gate</td>
<td>OFF</td>
<td>Normal Setting. Input to terminal #6 and reverse loop will reverse gate during close cycle.</td>
</tr>
<tr>
<td>5</td>
<td>Stops Gate</td>
<td>OFF</td>
<td>Normal Setting. Switch must be OFF for single operator.</td>
</tr>
<tr>
<td>6</td>
<td>Single Operator</td>
<td>OFF</td>
<td>Normal Setting. Switch must be ON when primary/secondary (dual) gates are used.</td>
</tr>
<tr>
<td></td>
<td>Dual Operators</td>
<td>ON</td>
<td>Switch must be ON when primary/secondary (dual) gates are used.</td>
</tr>
</tbody>
</table>

#### 7 and 8

<table>
<thead>
<tr>
<th>Relay Function</th>
<th>Setting</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>7-OFF 8-OFF</td>
<td>Normal Setting</td>
<td>Relay activates when gate is at open limit.</td>
</tr>
<tr>
<td>7-OFF 8-ON</td>
<td>Normal Setting</td>
<td>Relay activates when gate is closed.</td>
</tr>
<tr>
<td>7-ON 8-OFF</td>
<td>Normal Setting</td>
<td>Relay activates during opening and closing cycle.</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Switch</th>
<th>Function</th>
<th>Setting</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Quick-Close Timer</td>
<td>OFF</td>
<td>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.</td>
</tr>
<tr>
<td>2</td>
<td>Magnetic Lock</td>
<td>OFF</td>
<td>Normal Setting. Magnetic Lock is not used and connected to terminals 9 and 12.</td>
</tr>
<tr>
<td>3</td>
<td>Normal Setting</td>
<td>ON</td>
<td>Normal Setting. Switch 3 MUST be turned ON for Model 9000 operator.</td>
</tr>
<tr>
<td>4</td>
<td>Normal Setting</td>
<td>OFF</td>
<td>Normal Setting. Switch 4 MUST be turned OFF for Model 9000 operator.</td>
</tr>
</tbody>
</table>

**Fire Dept Open**

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 shut down once fully opened. Operator MUST be reset to function normally again. This device MUST be mounted in the line of site of gate as the operator will reverse approx. 2 inches and go into a hard shut down. Operator must be turned ON to function again ON gate opener's power source.

**External Entrapment Protection Devices**

Entrapment Protection must be provided for this gate system where the risk of entrapment or obstruction exists. The operator will NOT open without one or more mention type B1 or B2 external entrapment protection devices in EACH direction of gate travel (minimum of 2 external devices required). 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.

**Magnetic Lock**

Power (24-Volt DC) and logic-out. Power is shut off 3 sec. prior to gate starting and remains off while gate is opening in the open position.

**Universal Remote Control**

Power is limited to 250 mamps.

**Type of setting to be used on ALL external devices**

* Type E1, E2, E2P, E2, or E2S
* Other cable with rating UL 325

**Note**

Each Stand-Alone telephone device MUST use a separate power source.