Models 6050/6100 is intended for installation only on swing gates used for vehicles. Pedestrians must be supplied with a separate access opening.

**Concrete Position**

- Mount post base into the concrete before installing the gate. Post Base MUST be Level.
- Run conduit on the opposite side of the open gate for the post base.
- Note: 2" thick gate illustrated.

**Concrete Pad**

- 6" x 18.5" x 24" Pad Base
- Secure operator to the concrete pad with four (4) 3/8" x 3" sleeve anchors (not supplied).
- Pad MUST be Level.

**Concrete Base**

- 10" x 12" x 24" Concrete Pad
- Varies with base used

**Opener Position**

- 34" Open Gate
- 24" Closed Gate
- 34° Open Gate Bracket
- 90° Closed Gate Bracket

**Concrete Pad Base**

- 12" x 22" x 26" Pad Base
- 3/4" with 4" Sweep
- 5" Brass Bushing
- 2.5" Post Base

**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**

**DIP-Switch Settings**

- Using shadow loop and gate opening in direction shown.
- **Auto Close Timer**
  - 1 to 23 sec.
- **High Voltage Condult**
  - SW 1: OFF
  - SW 2: OFF
  - SW 3: OFF
  - SW 4: ON
  - SW 5: OFF
  - SW 6: OFF
  - SW 7: OFF (Normal Reverse Function)
  - SW 8: OFF (Opening Counter-Clockwise)
- **ON (Single Operator)**
  - SW 9
- **ON (Tamper Protect)**
  - SW 10

**Loop Detectors**

- Not included - Refer to the Installation/Owner’s manual for more information on loops and loop detectors.
- **OPEN/CLOSE Edge/Beam**
  - SW 11: 1 to 7
  - SW 12: 8

**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.
- **REQUARED**
  - Site (see other side for wiring)
  - **LONG RANGE**

**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 entrapment protection devices in EACH entrapment area.

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For safety and installation instructions, please refer to the Installation/Owner’s manual.
**Model 6050/6100 is intended for installation only on swing 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 3 (Bottom 8 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 Gate Opening Direction</td>
<td>ON</td>
<td>Same as above, for secondary 6050/6100 ONLY.</td>
</tr>
<tr>
<td>2</td>
<td>Secondary Gate Opening Direction</td>
<td>OFF</td>
<td>Normal Setting, Normal operation.</td>
</tr>
<tr>
<td>3</td>
<td>Self-Test</td>
<td>OFF</td>
<td>Self-test mode. Operator MUST be disconnected from gate to run self-test.</td>
</tr>
<tr>
<td>4</td>
<td>Motor Control for Secondary Operator</td>
<td>ON</td>
<td>Switch is ON when secondary operatormotor is powered from the secondary motor terminals. Apply to operators manufactured with 4502, Rev P boards or higher.</td>
</tr>
<tr>
<td>5</td>
<td>Reverse</td>
<td>OFF</td>
<td>Terminal 15 is a STANDARD Reverse input.</td>
</tr>
<tr>
<td>6</td>
<td>Shadow Loop</td>
<td>OFF</td>
<td>Terminal 15 is a Shadow loop input. Gate will NOT stop during the close cycle.</td>
</tr>
<tr>
<td>7</td>
<td>Gate Overlap</td>
<td>ON</td>
<td>Secondary operator starts 1–2 seconds prior to primary operator.</td>
</tr>
<tr>
<td>8</td>
<td>Monitored Close Beam</td>
<td>OFF</td>
<td>No Photo Sensor connected to Aux terminals 7 and 8.</td>
</tr>
<tr>
<td>9</td>
<td>Monitored Edge/Beam</td>
<td>OFF</td>
<td>No Photo Sensor connected to Aux terminals 9 and 10.</td>
</tr>
</tbody>
</table>

### SW 4 (Top 8 Switches)

<table>
<thead>
<tr>
<th>Switch</th>
<th>Function</th>
<th>Setting</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 and 2</td>
<td>Circuit Board Relay</td>
<td>1-OFF 2-OFF</td>
<td>Relay activates when gate is open (Shadow loop setting when used).</td>
</tr>
<tr>
<td>3</td>
<td>Exit Loop Port</td>
<td>OFF</td>
<td>The output wired to terminal #12 becomes the output from the exit loop detector plugged into the EXIT loop port.</td>
</tr>
<tr>
<td>4</td>
<td>Full Open Input</td>
<td>ON</td>
<td>Normal Setting, Terminal #12 is a normal full open input.</td>
</tr>
<tr>
<td>5</td>
<td>Auto-Close Timer</td>
<td>OFF</td>
<td>Auto-close timer is OFF. Manual input required to close gate.</td>
</tr>
<tr>
<td>6</td>
<td>Swing Operator</td>
<td>OFF</td>
<td>Switch must be ON for single operator.</td>
</tr>
<tr>
<td>7</td>
<td>Dual Operators</td>
<td>OFF</td>
<td>Switch must be ON when bi-gating (dual) gates are used.</td>
</tr>
<tr>
<td>8</td>
<td>Tamper Protect</td>
<td>ON</td>
<td>Normal Setting. Tamper protect is ON. Operator will close gate when being forced open.</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.*

### 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.