QUICKSTART “BASIC” GUIDELINES FOR MODEL 6300 - FOR GATES UP TO 18 FEET AND OPENING 90°

Model 6300 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.

1. **Concrete Position**
   - Mount the post base into the concrete before installing the operator.
   - Run conduit on the opposite side of the open gate for the post base.

2. **Operator Position**
   - The operator output shaft MUST be level.
   - Run conduit on the access opening.

3. **Post Base**
   - The post base MUST be level.
   - The post base is 23" x 12" x 12" as shown.

4. **Gate Bracket**
   - The gate bracket MUST intersect the operator output shaft.
   - The elbow flange MUST be on the opposite side of the closed gate.

5. **DIP-Switch Settings**
   - Using shadow loop and gate opening in direction shown.

6. **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.

7. **Loop Detectors**
   - Not included - Refer to a specific Radio Receiver Manual (available from www.doorking.com) for more information on loops and loop detectors.

8. **Radio Receiver**
   - Not included - Refer to the Installation/Owner’s manual and Loop Information Manual (available FREE from www.doorking.com) for more information on radio receivers and antenna installation. (See reverse side for wiring)

9. **Manual Release**
   - The correct position assembly must be in the correct position on the arms BEFORE cycling operator the first time.

10. **Auto Close Timer**
    - Adjust 1 to 23 sec.

11. **High Voltage Conduit**
    - The elbow assembly must be in the correct position on the arms BEFORE powering up the operator.

12. **Elbow Assembly**
    - Black and white wires connect the same as shown. See High Voltage Kit instruction sheet for more information.

13. **DANGER**
    - HIGH VOLTAGE!

Warning Signs:
- KEEP clear of the gate area.
- Moving gate can cause SERIOUS INJURY or DEATH.
- Do not let children play in the gate area.

High Voltage Connection:
- NO AC power.
- NO DC power (On select models).

DANGER:
- HIGH VOLTAGE!

**NEVER** connect the operator to ANY HIGH VOLTAGE source!

High Voltage Kit:
- 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 and Loop Information Manual (available FREE from www.doorking.com) for more information on loops and loop detectors.

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)

Entrapment Protection must be provided for the gate system where the risk of entrapment or obstruction exists. The operator must be installed without one or more monitored type B1 or B2 entrapment protection devices in EACH entrapment area.

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

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Note: *Optional* High Voltage Kit black and white wires connect the same as shown. See High Voltage Kit instruction sheet for more information.
### 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 Exit Loop Port Output</td>
<td>Full Open Input</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 Auto-Close Timer</td>
<td>Single Button</td>
<td>ON</td>
<td>Normal Setting. Terminal #12 is a normal full open input.</td>
</tr>
<tr>
<td>5 Swing Operator</td>
<td>Single Button</td>
<td>ON</td>
<td>Normal Setting. Terminal #12 is a normal full open input.</td>
</tr>
<tr>
<td>6 Dual Operator</td>
<td>Single Operator</td>
<td>ON</td>
<td>Normal Setting. Terminal #12 is a normal full open input.</td>
</tr>
<tr>
<td>8 Tamper Protect</td>
<td></td>
<td>ON</td>
<td>Normal Setting. Terminal #12 is a normal full open input.</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 effect.

### 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 Primary 6300 Gate Opening Direction</td>
<td></td>
<td>Opens Clockwise</td>
<td>Opens Clockwise</td>
</tr>
<tr>
<td>2 Secondary 6300 Gate Opening Direction</td>
<td></td>
<td>On</td>
<td>On</td>
</tr>
<tr>
<td>3 Self-Test</td>
<td></td>
<td>On</td>
<td>Normal Setting. Normal operation.</td>
</tr>
<tr>
<td>4 Single Gates Or Bi-Parting Gates</td>
<td></td>
<td>Off</td>
<td>Switch is Off when using a single operator.</td>
</tr>
<tr>
<td>5 Reverse</td>
<td></td>
<td>Off</td>
<td>Terminal 15 is a STANDARD Reverse input.</td>
</tr>
<tr>
<td>6 Gate Overlap</td>
<td></td>
<td>Off</td>
<td>Terminal 15 is a Shadow input. Gate will NOT stop during the close cycle.</td>
</tr>
<tr>
<td>7 Monitored Close Beam</td>
<td></td>
<td>Off</td>
<td>No Photo Sensor connected to Aux terminal 7 and 8.</td>
</tr>
<tr>
<td>8 Monitored Edge/Beam</td>
<td></td>
<td>Off</td>
<td>No Edge or Beam connected to Aux terminal 9 and 10.</td>
</tr>
</tbody>
</table>

### 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 B1 or B2 entrapment protection devices in EACH entrapment area.

### Monitored Photo and Edge Sensors

Monitored Photo and Edge sensors must be end-of-line resistive types. See specific manufacturer’s wiring manual for more information.

### TELEPHONE ENTRY

Please refer to the Installation/Owner’s manual for complete installation instructions for entrainment protection devices.