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.

**Operator Position**
- Gate Bracket
- Closed Gate
- Note: 2” thick gate illustrated.

**Concrete Position**
- Closed Gate
- 90°
- 23”
- Note: 2” thick gate illustrated.

**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.

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

1. OFF (Opening Counter-Clockwise)
2. OFF
3. OFF
4. OFF
5. ON
6. OFF
7. ON (Single Operator)
8. OFF (Tamper Protect)

**Drum Switch Settings**
- Auto Close Timer
- Adjust 1 to 23 sec.

**Loop Detectors**
- Not included - Refer to a specific Radio Receiver Manual (available 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)

**Gate Bracket Height**
- Arms and Operator MUST be level.

**Manual Release**
- Gate Bracket
- 30”
- Important: Adjust the locknut on the crank power arm so that it is snug against the washer, but will still allow the 30” crank arm to rotate with little force.

**Concrete Pad**
- Post Base
- Concrete Pad
- Pad MUST be level.

**High Voltage Connection**
- High Voltage! 115 VAC
- DANGER HIGH VOLTAGE!
- Tip: It is recommended that a surge suppressor be installed on the high voltage power lines.

**Loop Detectors**
- Not included - Refer to a specific Radio Receiver Manual (available 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 will not run without one or more monitored type B1 or B2 entrapment protection devices in EACH entrapment area.**
**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.

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### SW 4 (Top 8 Switches)

<table>
<thead>
<tr>
<th>Switch Function Setting</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Circuit 1-ON 2-OFF</td>
<td>Relay activates when gate is open (Shadow loop setting when used).</td>
</tr>
<tr>
<td>Board Relay 1-ON 2-OFF</td>
<td>Relay activates when gate is not closed.</td>
</tr>
<tr>
<td>Exit Loop Port</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>Full Open Input</td>
<td>Normal Setting. Terminal #12 is a normal full open input.</td>
</tr>
<tr>
<td>Auto-Close Timer</td>
<td>Auto-close timer is ON. Manual input required to close gate.</td>
</tr>
<tr>
<td>Slide Operator</td>
<td>Normal Setting, Slide Switch must be ON (or for slide gate operator [DO NOT use for 8300]).</td>
</tr>
<tr>
<td>Dual Operators</td>
<td>Switch must be OFF when dual gate operators (Primary/Secondary) Bi-Parting gates.</td>
</tr>
<tr>
<td>Tamper Protect</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.

### SW 3 (Bottom 8 Switches)

<table>
<thead>
<tr>
<th>Switch Function Setting</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Primary 6300 Gate Opening Direction</td>
<td>Opens Clockwise when ON and Opens Counter-Clockwise when OFF.</td>
</tr>
<tr>
<td>Secondary 6300 Gate Opening Direction</td>
<td>Same as above, for secondary 6300 ONLY.</td>
</tr>
<tr>
<td>Self-Test</td>
<td>Normal Setting, Normal operation.</td>
</tr>
<tr>
<td>Single Gates or Bi-Parting Gates</td>
<td>Switch is ON when using a single operator. Switch must be OFF when using dual gate operators (Primary/Secondary Bi-Parting gates).</td>
</tr>
<tr>
<td>Reverse</td>
<td>Terminal 15 is a STANDARDS Reverse input.</td>
</tr>
<tr>
<td>Shadow Loop</td>
<td>Terminal 15 is a Shadow input. Gate will NOT stop during the close cycle.</td>
</tr>
<tr>
<td>Gate Overlap</td>
<td>Secondary operator starts 1-2 seconds prior to primary operator.</td>
</tr>
<tr>
<td>Monitored Close Beam</td>
<td>NO Photo Sensor connected to Aux terminal 7 and 8.</td>
</tr>
<tr>
<td>Monitored Edge/Beam</td>
<td>NO Edge or Beam is connected to Aux terminal 9 and 10.</td>
</tr>
</tbody>
</table>

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**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.

**IMPORTANT:** No self-monitoring devices (NC) or contacts with the beam set for light operation (relay activated when beam is not obstructed). Some manufacturer's photo sensor contacts are labeled as Normally Open (NO) but their relay functions the same way as described above. See specific manufacturer’s wiring manual for more information about their specific relay function.

**Note:** Made monitored Devices must be connected to each input. An OPTIONAL Expansion Kit (sold separately) will allow connection for additional devices.

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**3-Wire Relay Receiver Limited to 250 mA**

**4-Button Station Red Open**

**3-Wire Radio Connection**

**4-Wire Radio Connection**

**5-Wire Radio Connection**

**6-Wire Radio Connection**

**7-Wire Radio Connection**

**8-Wire Radio Connection**

**9-Wire Radio Connection**

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**Access Control Devices**

**Stand-Alone Keypad**

**Stand-Alone Card Reader**

**Exit Loop Port**

**Gate Overlap OFF**

**Self-Test**

**External Power**

**Secondary Operator**

**Tamper Protect**

**3-Wire Relay Receiver Limited to 250 mA**

**4-Button Station Red Open**

**3-Wire Radio Connection**

**4-Wire Radio Connection**

**5-Wire Radio Connection**

**6-Wire Radio Connection**

**7-Wire Radio Connection**

**8-Wire Radio Connection**

**9-Wire Radio Connection**

**Access Control Devices**

**Stand-Alone Keypad**

**Stand-Alone Card Reader**

**Exit Loop Port**

**Gate Overlap OFF**

**Self-Test**

**External Power**

**Secondary Operator**

**Tamper Protect**