Control box is intended for installation only on automated gates used for vehicles. Pedestrians must be supplied with a separate access opening. For safety and complete installation and adjustment instructions, please refer to the Wiring/Owner’s manual.

**Quickstart “Basic” Guidelines for 115 VAC Standard or Deluxe Control Box for 6003, 6004, 6005 and 6000**

**Main Terminal**

- Use 18 AWG wire for all low voltage wiring, maximum distance 3000 feet. Use a low voltage surge suppressor (DoorKing PN 1870-001) if low voltage wire runs exceed 1000 feet. All control device inputs to the terminal must be NORMALLY OPEN. Controls must be far enough from the gate so that the user is prevented from coming in contact with the gate while operating the controls.

**Standard Control Box**

- Do not drill any extra holes in the control box. Components must stay as follows:

**What to do if**

- **KEY SWITCH BUTTON**: Cycles operator when pressed. Will use Auto-Close timer when turned ON.
- **RESET BUTTON**: Resets circuit board.

**Radio Receiver**

- Do not connect the battery plug to the circuit board until power is needed to test the operator.

**115 VAC Connection**

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

**CAUTION**

- **Control Box MUST be PROPERLY GROUNDED!!**

- **HIGH VOLTAGE!**
  - White - Positive
  - Black - 115V Hot
  - Green - Grounding

- **DANGER**
  - TO #11 115 VAC Input Power Wire
  - 14 AWG Up to 200 ft
  - 12 AWG Beyond 200 ft

**Plug-In Loop Detectors**

- Not included - Refer to the Wiring/Owner’s manual and Loop Information Manual (available from www.doorking.com) for more information on loops and plug-in loop detectors.

**Battery Plug**

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

**Circuit Board Settings**

- Typical Settings with Plug-In Reverse, Shadow and Exit Loops

<table>
<thead>
<tr>
<th>Switch 1</th>
<th>Switch 2</th>
<th>Switch 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
</tbody>
</table>

- Important Note: DoorKing highly recommends that loops and loop detectors are installed with this gate operator. A loop detection system will prevent the gate from automatically opening or closing on a vehicle when it is in the gate’s path.
QUICKSTART “BASIC” GUIDELINES FOR 115 VAC CONTROL BOX DIP-SWITCH REFERENCE AND OPERATOR(S) CONNECTION

SW 1 DIP-Switches

<table>
<thead>
<tr>
<th>Switch Function Setting</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 and 2</td>
<td>Relay Operation 1-OFF 2-ON Circuit board relay activates when the gate is NOT closed.</td>
</tr>
<tr>
<td>3</td>
<td>Maglock OFF NO maglock is used.</td>
</tr>
<tr>
<td>4</td>
<td>Spare OFF Leave in the OFF position.</td>
</tr>
</tbody>
</table>

The operator MUST OPEN GATE upon initial power up and OPEN command. If the operator closes gate after giving open command, shut off power and reverse this switch setting otherwise operator will NOT function correctly.

- **6003 ONLY**
  - Opens Outside
  - Opens Inside

- **6004 ONLY**
  - Left-Side
  - Right-Side

- **6005 ONLY**
  - Factory wired jumpers MUST be removed.

- **6400 ONLY**
  - Same opening directions as illustrated above for the secondary operator.
  - Switch 2 will be the SAME setting as switch 1 for the 6003.
  - Switch 2 will be the OPPOSITE setting as switch 1 for the 6004, 6005 and 6400.
  - Note: SW1, switch 7 MUST also be ON when using a secondary operator.

Gate Operator(s) Connection

- Choose Your Operator Model: Follow wiring colors for the PRIMARY/Single or DUAL gate operators.
- DO NOT cycle the operator before setting limit sensors.
- Refer to your specific operator for limit sensor adjustments.

6003 Wiring:
- Brown wire
- Blue wire
- Red wire
- Green wire
- Green/Yellow wire

6004 Wiring:
- Brown wire
- Blue wire
- Red wire
- Yellow wire
- Green wire
- Green/Yellow wire

6005 Wiring:
- Brown wire
- Blue wire
- Yellow wire
- Green wire
- Green/Yellow wire
- Not Used

6400 Wiring:
- Brown wire
- Blue wire
- Red wire
- Yellow wire
- Green wire
- Green/Yellow wire
- Not Used

6003 Primary/Single operator wiring:
- Brown wire
- Blue wire
- Yellow wire
- Jumper
- Green wire
- Jumper
- Green/Yellow wire
- Jumper

Choose Your Operator Model: Follow wiring colors for the PRIMARY/Single or DUAL gate operators.
- Gate Operators Connection
- Factory wired jumpers MUST be removed.

- Secondary operator wiring:
  - Brown wire
  - Blue wire
  - Red wire
  - Yellow wire
  - Green wire
  - Green/Yellow wire
  - Not Used

6400 Primary/Single operator wiring:
- Brown wire
- Blue wire
- Red wire
- Yellow wire
- Green wire
- Green/Yellow wire
- Not Used

6400 Secondary operator wiring:
- Brown wire
- Blue wire
- Orange wire
- Jumper
- Yellow wire
- Jumper
- Green wire
- Jumper

Conforms to ANSI/UL-325 CAN/CSA C22.2 No. 247 CERTIFIED TO VEHICULAR GATE OPERATOR CLASS MODEL SERIAL VOLTS AMPS HP MAX GATE LOAD

DoorKing, Inc., Inglewood, CA PHASE 60 Hz

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