**Mount Control Box Cabinet**

Position the control box on the wall, close enough to the gate operator so the primary operator cable can be easily routed inside the box. Use appropriate hardware (not supplied) in the existing 3 mounting holes to secure the cabinet to a vertical surface.

**Opening Devices**

- 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. Do not connect any control devices to the circuit board terminal.

Doorking offers an OPTIONAL mounting post kit (P/N 1000-0045) when no vertical surface is available to mount the control box to.

**Circuit Board Settings**

Typical settings with Reverse and Exit Loops. See reverse side.

- SW1, Switch 1 & 2: Set for your specific operator switch settings.
  1. Direction: Primary operator, open.
  3. Exit: Closed.
  4. Exit: Open.
  5. Exit: Reverse open/closing gates.
  7. Exit: N.O.
  8. ON:

Adjust 1 to 23 sec.

**24 Volt Solar Panel**

Keep sunlight OFF solar panel while connecting to prevent electric shock.

- Solar Pos. (White Wire)
- Solar Neg. (Black Wire)
- Solar panel should face true south in unobstructed sunlight.

**Loop Detectors**

DO NOT power up and cycle the gate operator before the limit sensors and DIP-switches have been adjusted, damage could occur to gate and operator.

**Two 12 Volt Batteries**

- DO NOT connect 12 Volt solar panel. Damage WILL occur!!!

Doorking recommends:
- 12 Volt 16 Ah/Hr batteries: Use for applications with normal usage (60 cycles per day or less).
- 12 Volt 35 Ah/Hr batteries: Use for applications with higher usage (60 cycles per day or more).

**Battery Wiring Notes:**

- Battery Switch:
  - Connected device is in fault.
  - Connected device has been activated.
  - Wiring to device is bad.
  - Entrapment Protection Devices
  - 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.

- Shadow Loop Note:
  - A shadow loop can be wired to the solar control box.

- Solar Power Terminals
  - Solar Control Box Requirements:
# Quickstart “Basic” Guidelines for Solar Control Box Dip-Switch Reference and Operator(s) Connection

**SW 1 Dip-Switches**

<table>
<thead>
<tr>
<th>Switch</th>
<th>Function</th>
<th>Setting</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SW 1</td>
<td>ON</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Switch Function Setting Description

<table>
<thead>
<tr>
<th>Switch</th>
<th>Function</th>
<th>Setting</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>6003</td>
<td>Only</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6004</td>
<td>Single</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6006</td>
<td>Dual</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Left-Side**
  - **SW 6004 ONLY**
    - **Left-Side Opening (OFF setting)**
    - **Right-Side Opening (ON setting)**
  - **SW 6006 ONLY**
    - **Left-Side Opening (ON setting)**
    - **Right-Side Opening (OFF setting)**

- **Right-Side**
  - **SW 6004 ONLY**
    - **Left-Side Opening (OFF setting)**
    - **Right-Side Opening (ON setting)**
  - **SW 6006 ONLY**
    - **Left-Side Opening (ON setting)**
    - **Right-Side Opening (OFF setting)**

### Switch Function Setting Description

<table>
<thead>
<tr>
<th>Switch</th>
<th>Function</th>
<th>Setting</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>6400</td>
<td>Only</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Opening Direction of Primary Operator

- **Not Used**
- **Auto-Close Timer**
- **Overlap Gating**
- **Dual**
- **Input Power**

### Gate Operators' Connection

**Do not** cycle the operator before setting limit sensors.

Choose Your Operator Model:

1. Follow wiring colors for the PRIMARY/SINGLE or DUAL gate operators. If factory wired jumpers are installed on operators, they must be removed or operators will not function.

#### 6003 Wiring

- Brown wire
- Blue wire
- Orange wire
- Red wire
- Yellow wire
- Green wire
- Red/Green/Yellow wire

#### 6004 Wiring

- Brown wire
- Blue wire
- Orange wire
- Red wire
- Yellow wire
- Green wire
- Green/Yellow wire

#### 6006 Wiring

- Brown wire
- Blue wire
- Orange wire
- Red wire
- Yellow wire
- Green wire
- Red/Green/Yellow wire

#### SW 2 Dip-Switches

- **1 and 2** Relay Operation
- **3** Maglock
- **4** Spare

### Primary/Single Operator Wiring

- Brown wire
- Blue wire
- Orange wire
- Red wire
- Yellow wire
- Green wire
- Green/Yellow wire

### Secondary Operator Wiring

- Brown wire
- Blue wire
- Orange wire
- Red wire
- Yellow wire
- Green wire
- Green/Yellow wire

### DoorKing, Inc., Inglewood, CA

- AMPS: 114
- HP: 1
- Motor: MAX GATE LOAD
- UL 325 August 1999

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**Notes:**

- Secondary operator motor wires MUST be reversed from the primary operator when using DUAL gate operators.
- Switch 7 MUST also be ON.
- Switch 1 will be the SAME setting as switch 1 for the 6003 and 6006. Secondary operator opens 1-2 seconds before primary operator. Vice-versa when closing.
- Both operators start at the same time.
- Switch must be OFF for single operator.
- Switch must be ON when (dual) operators are used.
- When any programming or switch setting on the control board is changed, press the reset button for new settings to take effect.
- Operator Cable ONLY

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**Certified Vehicular Gate Operator**

- Model: 53382
- Serial: 00001
- UL 325 August 2018 Standard
- DoorKing, Inc., Inglewood, CA