HIGH VOLTAGE KIT

This kit will alter the input AC voltage on a DoorKing 115 VAC: 6500, 6550, 6300, 9000, 9150 or 1600 Series operators to 208, 230, 460 or 575 VAC. DO NOT USE THIS KIT ON ANY OTHER OPERATOR.

Choose and follow the installation and wiring instructions for YOUR specific operator on the next 4 pages.

AC Input Power Wire Limitations

The table below shows the AC input power wire size and maximum distance wire run limitations. If AC power wire run is greater than the maximum distance shown, it is recommended that a service feeder be installed. When large gauge wire is used, a separate junction box must be installed for the operator connection. An external power disconnect switch is required. Check local building codes before installation.

<table>
<thead>
<tr>
<th>Input Voltage</th>
<th>Primary/Single Operator</th>
<th>Wire Size / Max Distance in Feet</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Motor</td>
<td>Amps</td>
</tr>
<tr>
<td>208/230 VAC</td>
<td>1/2 HP</td>
<td>2.8 Amps</td>
</tr>
<tr>
<td>460 VAC</td>
<td>1/2 HP</td>
<td>1.4 Amps</td>
</tr>
<tr>
<td>575 VAC</td>
<td>1/2 HP</td>
<td>1.0 Amp</td>
</tr>
<tr>
<td>208/230 VAC</td>
<td>1 HP</td>
<td>5.0 Amps</td>
</tr>
<tr>
<td>460 VAC</td>
<td>1 HP</td>
<td>2.5 Amps</td>
</tr>
<tr>
<td>575 VAC</td>
<td>1 HP</td>
<td>2.0 Amps</td>
</tr>
</tbody>
</table>

Note: Wire run distances are based on NEC guidelines for copper wire allowing a maximum 3% voltage drop on the line. The calculated distance was then further reduced by 10% to allow for other loses in the system.

Step-Down Transformer Optional Voltage Wiring

Choose desired input voltage harness and connect accordingly AFTER step-down transformer has been mounted in the operator.

208 VAC Input

Use only two legs of the incoming 3-phase power and terminate the 3rd leg.

230 VAC Input

Use only two legs of the incoming 3-phase power and terminate the 3rd leg.

460 VAC Input

Use only two legs of the incoming 3-phase power and terminate the 3rd leg.

575 VAC Input

Use only two legs of the incoming 3-phase power and terminate the 3rd leg.
**Model 6500**

Installation for a 115 VAC 6500 primary operator ONLY.

**Step 1:** Bolt step-down transformer in position shown using the nuts and bolts supplied with this kit.

**Step 2:** Wire the step-down transformer for the desired input voltage (see first page).

**Important Notes:**

- **Dual Gate Operators Installation:** When installing on bi-parting gates, a step-down transformer and AC input power wire is only required for the PRIMARY gate operator. Reduce the AC input power wire run max distance by ONE-HALF.

- **“Optional” Heater Installation:** When installing a heater, refer to the “high voltage AC power wire size and distance limitations” table on the instruction sheet with the heater kit for AC input power wire run limitations.

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**Model 6550**

Installation for a 115 VAC 6550 primary operator ONLY.

**Step 1:** Bolt step-down transformer in position shown using the nuts and bolts supplied with this kit.

**Step 2:** Wire the step-down transformer for the desired input voltage (see first page).

**Important Notes:**

- **Dual Gate Operators Installation:** When installing on bi-parting gates, a step-down transformer and AC input power wire is only required for the PRIMARY gate operator. Reduce the AC input power wire run max distance by ONE-HALF.

- **“Optional” Heater Installation:** When installing a heater, refer to the “high voltage AC power wire size and distance limitations” table on the instruction sheet with the heater kit for AC input power wire run limitations.
Model 6300

Installation for a 115 VAC 6300 primary operator ONLY.

**Step 1:** Mount step-down transformer on the 4 existing threaded studs using the (4) four nuts supplied with this kit.

**Step 2:** Wire the step-down transformer for the desired input voltage (see first page).

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Model 9000

Installation for a 115 VAC 9000 primary operator ONLY.

**Step 1:** Bolt step-down transformer in position shown using the (4) four nuts and bolts supplied with this kit.

**Step 2:** Wire the step-down transformer for the desired input voltage (see first page).

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Important Notes:

**Dual Gate Operators Installation:** When installing on bi-parting gates, a step-down transformer and AC input power wire is only required for the PRIMARY gate operator. Reduce the AC input power wire run max distance by ONE-HALF.

"Optional" Heater Installation: When installing a heater, refer to the “high voltage AC power wire size and distance limitations” table on the instruction sheet with the heater kit for AC input power wire run limitations.

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DANGER: HIGH VOLTAGE!
Model 9150

Installation for a 115 VAC 9150 operator ONLY.

Step 1: Mount step-down transformer on the (4) four existing threaded studs (below the motor) using the (4) four nuts supplied with this kit. Attach the wires acrossed the top of the main support bracket. Avoid moving parts.

TIP: It is MUCH easier to install the step-down transformer before mounting the operator and attaching the chain. Flip operator upside down for access.

Step 2: Wire the step-down transformer for the desired input voltage chosen (see first page).

Important Notes:

Dual Gate Operators Installation: When installing on bi-parting gates, a step-down transformer and AC input power wire is required for EACH operator.

“Optional” Heater Installation: When installing a heater, refer to the “high voltage AC power wire size and distance limitations” table on the instruction sheet with the heater kit for AC input power wire run limitations.

Variable Input Power (see first page)

Double check your chosen input voltage plug BEFORE applying power to the step-down transformer. Failure to choose the CORRECT input voltage plug for your desired input voltage WILL damage operator and VOID warranty.
**1600 Series**

Installation for a 115 VAC 1600 series (1601, 1602, 1603) operators **ONLY**.

**Step 1:** Mount step-down transformer.
- Remove the 1 screw, unbolt the ground wire from the chassis ground and **CAREFULLY** remove circuit board.
- Bolt transformer to existing threaded studs on back of supplied plate using the (4) four nuts supplied with this kit.
- **CAREFULLY** install the plate and re-install circuit board.

**Step 2:** Wire the step-down transformer for the desired input voltage chosen (see first page).

**Important Notes:**

**Dual Gate Operators Installation:** When installing on bi-parting gates, a step-down transformer and AC input power wire is required for **EACH** operator.

**“Optional” Heater Installation:** When installing a heater, refer to the “high voltage AC power wire size and distance limitations” table on the instruction sheet with the heater kit for AC input power wire run limitations.

**DANGER**

HIGH VOLTAGE!

Double check your chosen input voltage plug **BEFORE** applying power to the step-down transformer. Failure to choose the **CORRECT** input voltage plug for your desired input voltage **WILL damage** operator and **VOID** warranty.