QUICKSTART “BASIC” GUIDELINES FOR THE MODEL 1000 INVERTER/POWER BACK-UP SYSTEM

**WARNING:** The Model 1000 produces lethal voltages. The Model 1000 should be installed by a qualified electrician. For complete safety and installation instructions, please refer to the Owner’s manual.

Note: DoorKing’s Model 1000 Power Inverter uses a modified sine wave as the AC output. DoorKing gate operators that use a current sensor device (ERD) have been specifically designed to work within the limits of the Inverter’s modified sine wave. Third party vehicular gate operators that use a current sensor device (ERD) as an inherent entrapment protection system may experience false entrapment inputs when the inverter powers them.

115 VAC Input Power Wire

Input power wire must be connected to a grounded, permanent wiring system. Tip: It is recommended that a surge suppressor be installed on the high voltage power wire.

**DANGER**

**HIGH VOLTAGE**

Gate Operator(s)

To gate operator power input terminal.

12 AWG copper wire (High Voltage)

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To J4 terminal 7 (N.O.) and 8 (Com)

18 AWG copper wire (Low Voltage)

To gate operator opening device terminal (N.O.) and (Com).

**Single or Primary 115 VAC Operator**

**J4 Connector Note:** Connect the J4 terminal to the opening device terminal connections of the gate operator(s). When the inverter runs low on battery power, the inverter will automatically open the gate(s).

**Secondary 115 VAC Operator**

**DIP Switches**

The model 1000 can only be used with products that use a PSC (Permanent Split Capacitor) motor. Do not use the model 1000 on products that utilize a motor with start windings as the start-up amerage draw on this type of motor exceeds the maximum output available from the model 1000 and will cause damage to the inverter. The differences in these two types of motors is difficult to recognize, so we suggest that you contact the manufacturer to determine what type of motor is used in their product.

Mount Cabinet on Vertical Surface

- Never run high voltage and low voltage in the same conduit.
- Typical conduit configuration (not supplied).

Note: DoorKing offers a mounting post kit when no vertical surface is available to mount the Inverter cabinet. Refer to the Owner’s manual.

**WARNING**

**SERIOUS INJURY OR DEATH**

Read owner’s manual and safety instructions. Do not stand in gate path or walk through or operate gate.

Do not allow children to play in gate area or path while gate is moving.

NO SMOKING

NO FIRE

Mount in existing 3 mounting holes to secure the cabinet to a vertical surface.

DO NOT drill any additional holes in the cabinet. Drilling produces metal filings, which can cause shorts on the circuit board and will void the warranty.

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