

6500-480 115 VAC HEATER / FAN KIT (6500, 6524)

DoorKing Part Number

6500-480

115 VAC Model
3.3 Amp

This kit is designed for DoorKing model gate operators:

6500 installation (page 2)

6524 AC POWERED 115 VAC INPUT power ONLY installation (page 3).

For cold weather climates where temperatures routinely drop below 10°F (-12°C). A built-in thermostat will automatically control the temperature inside operator housing. **Find your SPECIFIC operator on the next pages.**

DO NOT USE the “high voltage wire size and distance limitations” table in the Installation/Owner’s manuals to determine the high voltage AC input power wire size and distance limitations for the gate operator because of a **much greater current draw** when using the heater.

Use the wire run tables below to determine the wire size and distances for your chosen gate operator when a heater is installed.

If the high voltage AC input power wiring 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. Wire run calculations are based on

NEC 310.15(B)(16) with a maximum voltage drop of 3%. These wire runs are a general guideline but **these distances may vary**.

Never run low voltage rated wire insulation in the same conduit as high voltage rated wire insulation. Keep them in separate conduits.

Input wire size and distance limitations for a **6500 115 VAC** input power with a heater.

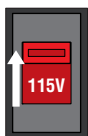
IMPORTANT: DO NOT install this heater kit if your 6500 has the optional high voltage kit installed on it.

Model	Horsepower	Volts	Operator and Heater Amps	Wire Size / Max Distance in Feet			
				12 AWG	10 AWG	8 AWG	6 AWG
	1/2 HP	115	8.7	100	150	250	400
	1 HP	115	13.0	60	100	160	200

Wire run distances are shown for ONE 6500 gate operator with heater. In bi-parting (dual) gates applications, reduce the distance by one-half.

Installation of 6500 on next page.

Input wire size and distance limitations for a **6524 AC powered 115 VAC** input power with a heater.



Operator
Input Power
Selector Switch

Model	Horsepower	Volts	Operator and Heater Amps	Wire Size / Max Distance in Feet			
				12 AWG	10 AWG	8 AWG	6 AWG
	Quadra Drive DC Motor	115 ONLY	5.1	170	270	430	680

In bi-parting (dual) gate applications, high voltage AC power is required for EACH 6524 AC powered 115 VAC input power with a heater.

Installation of 6524 on page 3.



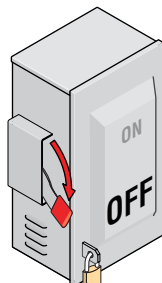
120 S. Glasgow Avenue
Inglewood, California 90301 U.S.A.

Installation of Heater for 6500

DoorKing Part Number

6500-480

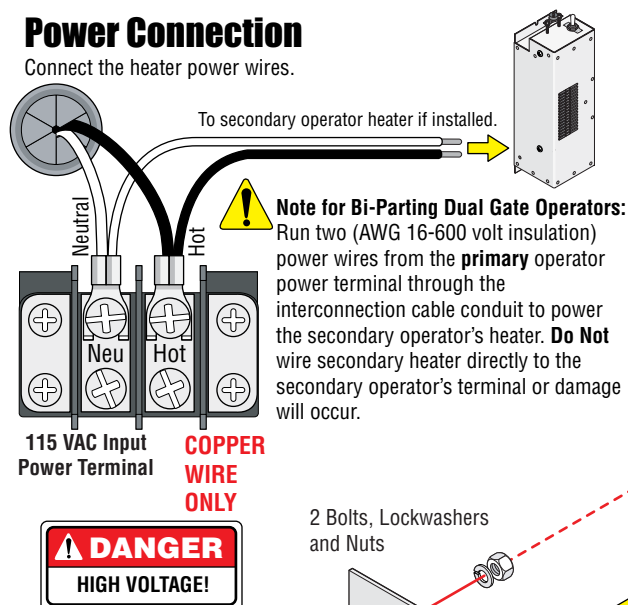
SHUT-OFF POWER BEFORE BEGINNING!



SHUT OFF the AC input power to the operator(s) from the circuit breaker or external power disconnect switch.

Power Connection

Connect the heater power wires.



2 Bolts, Lockwashers and Nuts

Power Wires

Run power wires through chassis.

Heater Switch



ON - Normal setting. Automatically turns the heater and fan **ON** when the temperature drops below 40°F (4°C) inside the operator, and turns the heater and fan **OFF** when the temperature rises above 55°F (13°C) inside the operator.

OFF - Turns the heater and fan off.

6500-480-F-8-26

Installation of Heater for 6524 AC Powered 115 VAC

DoorKing Part Number

6500-480

This is **ONLY** for the 6524 AC Powered operator using 115 VAC input power.

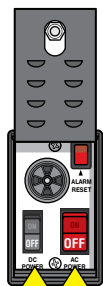


Operator
Input Power
Selector Switch

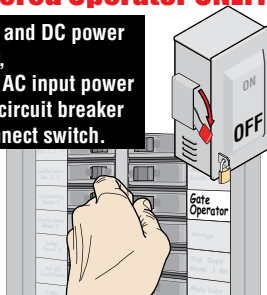
BEFORE BEGINNING, SHUT-OFF POWER to 6524 AC Powered Operator ONLY!

FIRST . . . SHUT OFF AC and DC power switches on the operator,
THEN . . . SHUT OFF the AC input power to the operator from the circuit breaker or external power disconnect switch.

Note: Heater will **NOT** turn off when using the gate operator ON/OFF power switches after installation.



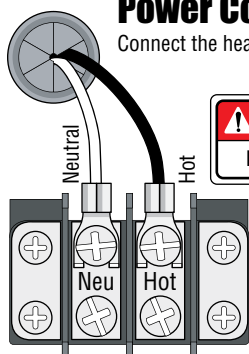
Operator
Switches



Power
Wires

Power Connection

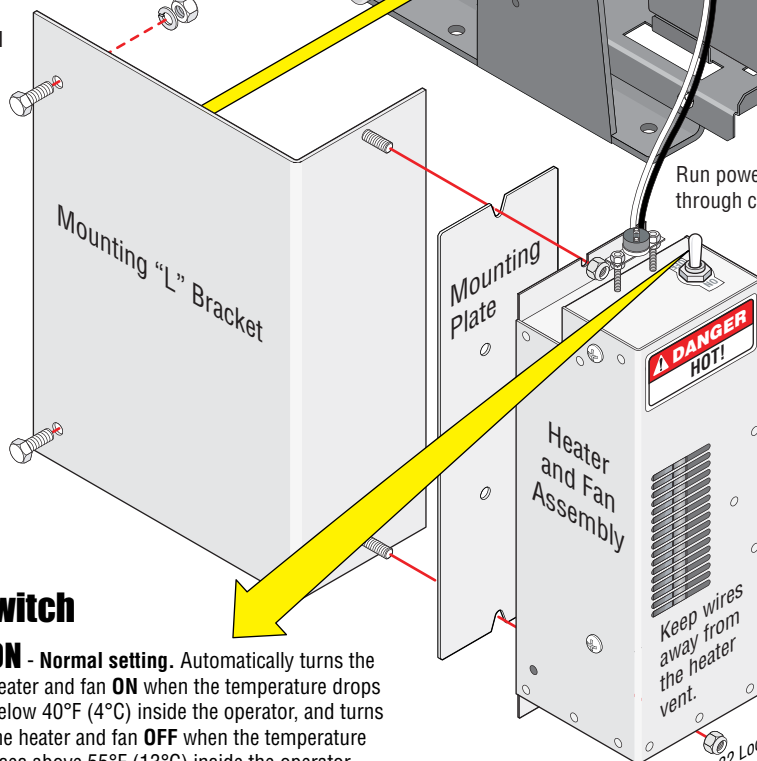
Connect the heater power wires.



**COPPER
WIRE
ONLY**

115 VAC Input
Power Terminal

2 Bolts, Lockwashers
and Nuts



Run power wires
through chassis.

Keep wires
away from the
heater vent.

Heater **MUST** be
mounted on
mounting plate.

Heater Switch



ON - Normal setting. Automatically turns the heater and fan **ON** when the temperature drops below 40°F (4°C) inside the operator, and turns the heater and fan **OFF** when the temperature rises above 55°F (13°C) inside the operator.

OFF - Turns the heater and fan off.

Two 10-32 Locking
Nylon Nuts



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