**UL 325 Terminal**

Connect DoorKing 8080-057 device. Installed on gate that opens OUTSIDE of property. See manual for gate that opens OUTSIDE of property.

**Control Panel**

- Monitored OPEN/CLOSE Reversing Edge
- Monitored Photo Sensor

**ENTRAPMENT PROTECTION**

Entrapment protection must be provided for the gate system where the risk of entrapment or obstruction exists. The controller will not run without ONE or more monitored type S1 or S2 entrapment protection devices in each entrapment area.

- Use 18 AWG wire for all intermittent problems.
- Use 12/3 AWG wire for all DC power wiring.
- Use 14 AWG wire for all Low Voltage wiring.
- Rated wire insulation in the run low voltage wire must be wind and oil resistant types. See specific manufacturer’s wiring manual for more information.

**Do Not drill any extra holes in the control box. Components must stay as shown.**

**Battery Plug**

**CAUTION**

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

**115 VAC Connection**

- **Control Box MUST BE PROPERLY GROUNDED!**
- **HIGH VOLTAGE!**
  - **115 VAC Hot**
  - **Black** - 115 VAC Hot
  - **Green** - Chassis Ground

**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.

**Radio Receiver**

Doorking radio receiver Included - Choose MicroClick® OR MicroPlus® transmitter type (Sold separately).

Please refer to the Wiring/Owner’s manual for the 115 VAC Control boxes about receiver programming the transmitter(s). MicroPlus® is receiver factory default setting, see back page to learn transmitter.

**Circuit Board Settings**

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

1. Direction Primary operator operates.
3. Auto-Close Timer
4. Standard Reverse
5. Overriding device is used
6. Single/Dual Operators

Adjust 1 to 23 sec.

**UL 325 Terminal**

- UL 325 Diagram 2018 Standard
- UL 325 August 2018

**Plug-In Loop Detectors**

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

1. Direction Primary operator operates.
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5. Overriding device is used
6. Single/Dual Operators

Adjust 1 to 23 sec.

**Main Terminal**

- Monitored Photo and Edge Sensors must be wind and oil resistant types. See specific manufacturer’s wiring manual for more information.

**IMPORTANT**

Monitored Photo and Edge Sensors must be wind and oil resistant types. See specific manufacturer’s wiring manual for more information.

**Main Terminal #3 Note:** Exiting 250 mA of power from this terminal may cause the circuit board transformer to overheat, causing intermittent problems.

**Radio Receiver**

Doorking radio receiver Included - Choose MicroClick® OR MicroPlus® transmitter type (Sold separately).

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Adjust 1 to 23 sec.
QUICKSTART “BASIC” GUIDELINES FOR 115 VAC CONTROL BOX DIP-SWITCH REFERENCE AND OPERATOR(S) CONNECTION

SW 1 DIP-Switches

Switch Function Setting Description

1 Exit Loop Port Output
On (normal) Terminal #4 is output from plug-in exit loop detector installed in EXIT loop port.

2 Opening Direction of SECONDARY Operator
Same opening directions as illustrated above for the secondary operator.

3 Exit Loop Port Output
Off Terminal #4 is output from plug-in exit loop detector installed in EXIT loop port.

4 Open Input
On (normal) Terminal #4 is normal open command.

5 Auto-Close Timer
On Auto-close timer is ON. Adjustable from 1-93 seconds.

6 Not Used
On On setting is NOT used.

7 Overlapping Gates
On Secondary operator opens 1-2 seconds before primary operator. Vice-versa when closing.

8 Single
Off Switch must be OFF for single operator.

9 Dual
On Switch must be ON when (dual) operators are used.

10 Input Power
Off Switch MUST be in the OFF position.

Learn MicroPlus® Transmitter

The MicroPlus® type transmitter and NORMAL Power Mode are the factory default settings for 6004-6400 receiver in 115 VAC control boxes.

Gate Operator(s) Connection

DO NOT cycle the operator BEFORE setting limit sensors. Refer to your specific MicroPlus® transmitter programming.

Choose Your Operator Model:
Follow wiring colors for the PRIMARY/Single or DUAL gate operators. If factory wired jumpers, operators will be on operator terminals, they must be removed or operators will not function.

Secondary Operator

6400 Wiring

6004 Wiring

6006 Wiring

SW 2 DIP-Switches

Switch Function Setting Description

1 and 2 Relay Operation
1-OFF 2-ON Circuit board relay activates when the gate is not closed.

3 Maglock
Off No maglock is used.

4 Spare
On Maglock is installed.

SW 2 Switches

Whenvery any programming or switch setting on the control board is changed, press the reset button for new settings to take effect.

Gate Operator(s) Connection

Primary/Single Operator Wiring

6005 Wiring

6006 Wiring

6400 Wiring

Discontinued 6005

SMASH DOORING

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

Notes:
1. Turn the Program Selector to Position 1.
2. Press and HOLD Program Button until Program LED flashes ONCE and receiver will "Learn Mode" and will flash and beep for 10 seconds.
3. Press a specific button on the MicroPlus® transmitter to be "Learned" within 10 seconds, wait for the receiver to time-out. MicroPlus® transmitter can now operate the gate.
4. Secondary operator MOTOR wires MUST be reversed from the primary operator when using DUAL gate operators.