CONFORMS TO ANSI/UL-325, "BASIC" GUIDELINES FOR MODEL 9150 - FRONT INSTALLATION MOUNTED ON A CONCRETE PAD

Model 9150 is intended for installation only on sliding gates used for vehicles. Pedestrians must be supplied with a separate access opening. For safety and installation instructions, please refer to the Installation/Owner's manual.

- Chain MUST be parallel to gate!
- Chain bracket MUST line up with idler wheels!

Chain Adjustment
Adjust the chain nuts to tighten the chain. The chain should sag no more than one (1) inch per 10 feet of chain travel. Do not over tighten the chain.

Concrete Pad and Conduit Area

Chain
ON
Bolt
Pedestrians must be supplied with a separate access opening. For safety and installation instructions, please refer to the Installation/Owner's manual.

Model 9150 is intended for installation only on sliding gates used for vehicles.

**WARNING**

SERIOUS INJURY OR DEATH

Read owner’s manual and safety instructions. Do not stand in gate path or walk through or operate gate. Operate gate only when gate area is in sight and free of people and obstructions.

**NOTICE**

115 VAC DoorKing, Inc., Inglewood, CA

AMPS
VOLTS
SERIAL
CLASS

MAX GATE LOAD

DoorKing, Inc., Inglewood, CA

26" Minimum

Concrete Pad

3/4-inch diameter conduit shall be run through the concrete pad. Any length of conduit run through the concrete pad shall be protected from physical damage. It is recommended that a surge suppressor be installed on the high voltage power lines.

Chain must be no more than 1" minimum space between the gate and the operator housing.

Chain bracket MUST be mounted the same height as the chain on the idler wheels!

Operate gate only when gate area is in sight and free of people and obstructions.

Plug-In Loop Detectors

Not included - Refer to the Installation/Owner’s manual AND Loop Information Manual (available from www.doorking.com) for more information on loops and plug-in loop detectors.

Important Note: Doorking highly recommends that loops and loop detectors are installed with this slide gate operator. A loop detection system will prevent the gate from automatically opening or closing on a vehicle when it is in the gate’s path.

Radio Receiver

Not included - Refer to a specific Radio Receiver Manual (available from www.doorking.com) for more information on radio receivers and antenna installation. (See reverse side for wiring)

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 types B1 or B2 external entrapment protection devices in EACH direction of gate travel (minimum of 2 external devices required). See manual for more information.

Physical Stops MUST Be Used to Stop Gate

DO NOT power up and cycle the operator without “Physical Stops” installed to stop the gate in the open and close positions. (Chain stops are included with the operator but other physical stops can be used) damage could occur to the gate and operator.

Access Opening

This point of entry and exit for people must be at least 4' wide, 6'4" high, and fully accessible by everyone. Do not stand in gate path or walk through or operate gate. Operate gate only when gate area is in sight and free of people and obstructions.

Concrete Pad and Conduit Area

Electronic Box

1. OFF
2. ON
3. OFF
4. ON
5. OFF
6. ON
7. OFF
8. ON

SW 1 Switch 1 - Must OPEN the gate upon initial AC power up and open command. If the open command begins to close the gate, turn AC power off and reverse this switch. (See reverse side)

Automatic Open/Close

Every time the 9150 is powered up, the first open command will automatically run “2 open/close gate cycles” that will locate and remember the gate’s open and close limit positions. See “Automatic Open/Close Limit Adjustment” in Installation/Owner’s manual for more information.

Circuit Board Settings

SW 2 Key Switch

Cycles the operator when pressed.

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Radio Receiver

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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 types B1 or B2 external entrapment protection devices in EACH direction of gate travel (minimum of 2 external devices required). See manual for more information.
QUICKSTART “BASIC” GUIDELINES FOR MODEL 9150 - DIP-SWITCH AND WIRING REFERENCE

Model 9150 is intended for installation only on sliding gates used for vehicles. Pedestrians must be supplied with a separate access opening. For safety and installation instructions, please refer to the Installation/Owner’s manual.

**SW 1**

**Switch** | **Function** | **Setting** | **Description**
--- | --- | --- | ---
1 | Opening direction using ON setting | Full Open | Changes the direction the operator will open/clos[e the gate depending on the different chain configurations.
2 | Full Open Input | ON | Normal Setting. Plug-in exit loop detector plugged into the EXIT Loop port will partially open single operator or fully open dual operators depending on type of loop detector used.
3 | Reverses Gate | OFF | Normal Setting. Input to terminal #6 and/or reverse loops will reverse gate during close cycle.
4 | Stops Gate | ON | Normal Setting. Switch must be OFF for terminal #5 input to open gate 14 ft.
5 | Partial Open (14 Ft) | OFF | Normal Setting. Fail-safe logic. Lock engages only if attempt is made to force gate open (Factory setup).
6 | Operator Model Select | OFF | Normal Setting. Switch must be OFF for Model 9150.
7 | Quick-Close Timer Override | OFF | Normal Setting. Timer will function normally.
8 | Gate Close Back-Off Position | OFF | Normal Setting. Gate fully closes.

**SW 2**

**Switch** | **Function** | **Setting** | **Description**
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1 | Exit Loop Port Output | Jumper Pins 3 & 4 | Jumper also allows monitored external devices to be connected under select mode.
2 | Full Open Input | ON | Normal Setting. Plug-in exit loop detector will fully open single operator.
3 | Reverses Gate | OFF | Normal Setting. Input to terminal #6 and/or reverse loops will reverse gate during close cycle.
4 | Stops Gate | ON | Normal Setting. Switch must be OFF for terminal #5 input to open gate 14 Ft.
5 | Partial Open (14 Ft) | OFF | Normal Setting. Switch must be OFF for terminal #5 input to open gate 14 Ft.
6 | Built-in Solenoid Lock | OFF | Normal Setting. Fail-safe logic. Lock engages after each gate cycle (2600-865 Lock kit required).
7 | Operator Model Select | OFF | Normal Setting. Switch must be OFF for Model 9150.
8 | Quick-Close Timer Override | OFF | Normal Setting. Timer will function normally.

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**External Entrapment Protection Devices**

- Gate will NOT OPEN when this device is activated by authorized personnel (only). Operator MUST be reset to normal for gate to open. Operator MUST be reset to normal for gate to open.
- All stand-alone and telephone entry devices must use a separate power source.
- Only 1 monitored Device can be connected to each operator. An OPTIONAL Expansion Kit (sold separately) will allow connection for additional devices.
- All stand-alone and telephone entry devices must use a separate power source.

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**Important** Controls intended for user activation must be located at least six (6) feet away from any moving part of the gate and where the user is prevented from reaching over, under, around or through the gate to operate the controls. Emergency access controls only accessible by authorized personnel (e.g. the operator, DOORKING) must be placed at any location in the line-of-sight of the gate.

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**Stand-Alone Card Reader**

Note: All stand-alone and telephone entry devices must use a separate power source.

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**Stand-Alone Keypad**

Note: All stand-alone and telephone entry devices must use a separate power source.

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**UL 325 Terminal**

- 1: OPEN Beam STOP
- 2: Ground Common
- 3: CLOSE Beam REVERSE
- 4: Ground Common
- 5: 24 VAC 20 ma. Max.
- 6: OPEN Edge Beam REVERSE
- 7: Ground Common
- 8: OPEN Edge Beam REVERSE
- 9: Ground Common

**UL 325 DIP-Switches**

- 1: OPEN Beam (UL 325 Terminal 1)
- 2: CLOSE Beam (UL 325 Terminal 3)
- 3: OPEN Edge (UL 325 Terminal 7)
- 4: CLOSE Edge (UL 325 Terminal 9)

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**Expansion Kit**

- Plug-in exit loop detector will fully open gate (Single operator).
- Any opening contacts with the beam will open the gate to the partial open setting. Relay activates and LED is ON when the gate is opening and closing.
- Voltage applied to motor always. Keeps inclined gate from coasting when stopped.
- Auto-close timer is OFF. Manual input required to close gate.
- Normal Setting.
- Auto-Close timer is OFF. Manual input required to close gate.
- Normal Setting. Gate fully opens.
- Relay activates and LED is ON when the gate is fully open.
- Relay and telephone entry devices must use a separate power source.
- For each device wired to terminal.
- DIP-switches MUST be pushed to OFF before turning off power to the 9150.
- UL 325 August 2006 Standard

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**Card Reader Station Jumper**

- jumper #1 & #2 ONLY when using a 4-wire control station to enable stop terminal #7.

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**DIP-Switches**

- 1: OPEN Beam STOP
- 2: Ground Common
- 3: CLOSE Beam REVERSE
- 4: Ground Common
- 5: 24 VAC 20 ma. Max.
- 6: OPEN Edge Beam REVERSE
- 7: Ground Common
- 8: OPEN Edge Beam REVERSE
- 9: Ground Common

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**UL 325 August 2006 Standard**

- Relay - #3 - Full Open
- #5 - Opens gate 14-feet
- 4-Wire Receiver
- 4-Wire - #4 - OPEN
- 4-Wire Cable