**QUICKSTART “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!

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**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.

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**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.

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**Concrete Pad and Conduit Area**

The concrete pad MUST be level!

1. Minimum space between the gate and the operator housing.
2. Concrete Pad Center
3. 21.5" Min.
4. 14.5" Min.
5. 12.4" Min.
6. 10.7" Min.
7. 5.8" Min.
8. 3.9" Min.

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**Circuit Board Settings**

- **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)

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**Automatic Limits**

The 9150’s open/close limits DO NOT have to be physically adjusted. 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. These limit positions are determined by where the physical stops have been installed. It does not matter what position the gate is in before running this sequence. The gate will function normally after this automatic sequence has finished.

**Warning Signs**

Permanently mount signs on BOTH sides of the gate area and make sure they are easily visible.

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**High Voltage Connection**

GATE OPERATOR MUST BE PROPERLY GROUNDED!!

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**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.

**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)

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Tip: It is recommended that a surge suppressor be installed on the high voltage power lines.

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

**Switch Function Setting Description**

**SW 1**

1. **Opening direction using ON setting**
   - **Opening directed using ON setting**
   - **Opening directed using OFF setting**
   - **Opening using ON setting**
   - **Opening using OFF setting**

2. **Auto-Close Timer**
   - **OFF**
   - **ON**
   - **Normal Setting**

3. **Motor Hold**
   - **OFF**
   - **ON**
   - **Normal Setting**

4. **Relay Activation and LED Indicator Light Activation**
   - **4-ON 5-Off**
   - **4-Off 5-On**
   - **4-Off 5-Off**
   - **4-Off 5-Off**

5. **Self-Test**
   - **OFF**
   - **ON**
   - **Normal Setting**

6. **Gate Open Back-Off Position**
   - **7-Off 8-Off**
   - **7-Off 8-On**
   - **7-On 8-Off**
   - **7-On 8-On**

Note: After a DIP-switch setting is changed, power must be turned OFF and then turned back on for the new setting to take affect.

**SW 2**

1. **Exit Loop Output**
   - **Jumper Pins 1 & 2**
   - **ON**
   - **OFF**

2. **Full Open Input**
   - **ON**
   - **OFF**
   - **Normal Setting**

3. **Reverse Gate**
   - **OFF**
   - **Normal Setting**

4. **Partial Open (14 ft)**
   - **ON**
   - **DO NOT use ON setting.**

5. **Built-in Solenoid Lock**
   - **OFF**
   - **ON**
   - **Normal Setting**
   - **Fail-safe logic**

6. **Operator Model Select**
   - **OFF**
   - **ON**
   - **Normal Setting**

7. **Quick-Close Timer Override**
   - **OFF**
   - **ON**
   - **Normal Setting**

8. **Gate Close Back-Off Position**
   - **7-Off 8-Off**
   - **7-Off 8-On**
   - **7-On 8-Off**
   - **7-On 8-On**

**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 garage, door itself) reaches placed at any location in the line-of-sight of the gate.

**Entrapment Protection must be provided for the gate system where the risk of entrapment or obstruction exists.**

**3-Wire Radio Receiver**

Relay A - Full Open
- **ON**
- **OFF**
- **5-Opens gate 14 ft**

4-Wire Receiver

**4-Wire Control Station**

**5-Bottom Control Station**

**3-Bottom Control Station**

**Duplex Card Reader**

**.getExternalEntrapmentProtection()**

**IMPORTANT:** Only one monitored device can be connected to each input. An optional Expansion Kit (sold separately) will allow connection for additional devices.

**External Entrapment Protection Devices**

**UL 325 Terminal**

- **Open Beam STOP**
- **Ground Common**
- **CLOSE Beam REVERSE**
- **Ground Common**
- **24 VAC 200 mA Max**
- **Ground Common**
- **OPEN Edge Beam REVERSE**
- **Ground Common**
- **Open Loop Beam REVERSE**
- **Ground Common**

**UL 325 DIP-Switches**

<table>
<thead>
<tr>
<th>Position</th>
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</tr>
<tr>
<td>2</td>
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**Fire Dept Open**

**Stand-Alone Keypad**

**Stand-Alone Card Reader**

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

**UL 325 August 2018 Standard**

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