QUICKSTART “BASIC” GUIDELINES FOR MODEL 1150 - FOR OVERHEAD GATES UP TO 14 FEET HIGH AND 25 FEET WIDE

Assemble Operator

- Secure rails to powerhead assembly with 4 bolts, nuts and lock washers.
- Chain must not rub on steel rail separators.
- Route chain around gear reducer’s sprocket and through unlocked carriage assembly. Connect chain together with double master link.
- Chain tension adjustment. Adjust equally on both sides of rails.
- IMPORTANT: The carriage assembly’s spring loaded chain catch will only lock into place in the double master chain link.

Mount Operator

- Install the gate bracket “centered” on the top rail of the gate by bolting or welding. Center the header bracket above the top of the gate bracket a minimum of 2.5 inches from the bottom of the header bracket. Check the gate’s opening swing path, some gates will swing open higher than the bottom of the header and could hit the rails if they are mounted too low. Mount header bracket with lag bolts, anchor sleeves or welding to header.
- If a ceiling extension bracket is needed, it must be fabricated (2” wide L angle steel is recommended).
- Install the powerhead with lag bolts or anchor sleeves. Rails must be mounted level!
- IMPORTANT: Gearbox should be filled to fill mark only. Do not overfill.

Manual Release

- Unlock, pull and turn ring
- IMPORTANT: The carriage assembly's spring loaded chain catch will only lock into place in the double master chain link.

Board Adjustments

After DIP-switches are changed, power must be shut-off, and turned back on for new settings.

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

115 VAC Connection

DANGER: OPERATOR MUST BE PROPERLY GROUNDED!

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

Radio Receiver

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

Loop Detectors

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

Model 1150 is intended for installation only on overhead gates used for vehicles. Pedestrians must be supplied with a separate access opening. For safety and installation instructions, please refer to the owner’s manual.
**SW 1 DIP-Switches**

<table>
<thead>
<tr>
<th>Switch</th>
<th>Function</th>
<th>Setting</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Change Direction</td>
<td>OFF</td>
<td>Changes open/close direction operator should cycle open upon initial power up.</td>
</tr>
<tr>
<td>2</td>
<td>Auto-Close Timer</td>
<td>OFF</td>
<td>Auto-close timer is OFF. Manual input (push control button) required to close gate.</td>
</tr>
<tr>
<td>3</td>
<td>EXIT Loop Port</td>
<td>OFF</td>
<td>EXIT loop port output is sent to terminal 4 for secondary slide gate operator only.</td>
</tr>
<tr>
<td>4</td>
<td>Relay</td>
<td>OFF-ON</td>
<td>Relay activates when gate is full open.</td>
</tr>
<tr>
<td>5</td>
<td>Relay</td>
<td>OFF-ON</td>
<td>Relay activates when gate is not closed.</td>
</tr>
<tr>
<td>6</td>
<td>Not Used</td>
<td>OFF</td>
<td>Normal setting.</td>
</tr>
<tr>
<td>7</td>
<td>Reverse and Open</td>
<td>OFF</td>
<td>Normal Setting. During close cycle, input to terminal 7 will reverse and open gate.</td>
</tr>
<tr>
<td>8</td>
<td>Quick Close</td>
<td>OFF</td>
<td>Normal Setting. During close cycle, input to terminal 7 stops gate, after input removed, closes gate.</td>
</tr>
</tbody>
</table>

**SW 2 DIP-Switches**

<table>
<thead>
<tr>
<th>Switch</th>
<th>Function</th>
<th>Setting</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Self Test</td>
<td>OFF</td>
<td>Normal Setting. Operator must not be connected to gate!</td>
</tr>
<tr>
<td>2</td>
<td>Not Used</td>
<td>OFF</td>
<td>Normal setting.</td>
</tr>
<tr>
<td>3</td>
<td>Slide Gate</td>
<td>OFF</td>
<td>Normal setting.</td>
</tr>
<tr>
<td>4</td>
<td>Overhead Gate</td>
<td>ON</td>
<td>Normal setting. Must be in the ON position for overhead gate operator.</td>
</tr>
<tr>
<td>5</td>
<td>Not Used</td>
<td>OFF</td>
<td>Normal setting.</td>
</tr>
</tbody>
</table>

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

Controls must be installed far enough from the gate so that the user is prevented from coming in contact with the gate while operating the controls. Use 18 AWG wire for all low voltage wiring, maximum distance 3000 feet. Use a low voltage surge suppressor, DoorKing P/N 1878-010 if low voltage wire runs exceed 1000 feet. All inputs to the main terminal must be Normally Open (NO).

**Controls:**
- Stand-Alone Keypad
- Stand-Alone Card Reader
- Telephone Entry
- 3-Button Control Station
- 3-Wire Radio Receiver
- Dry-Contact
- Entrapment Protection

Non-contact sensor: These systems can be used together.