9024 VEHICULAR SLIDE GATE
AC/DC OPERATOR

• RESIDENTIAL • COMMERCIAL

- Operator is 24 Volt DC and includes built-in battery backup
- 115/230 VAC (switch selectable) or 24 VDC Solar Power
- 1/2 HP Quadra Drive Heavy-duty DC Motor
- Adjustable limit nuts for precise gate limit control
- Easy to use manual T-handle release
- Heavy-duty gearbox
- 0.0 Amp SBPD Circuit (solar power only)
- Solar power ready
- Pad or post mount
- Heavy-duty steel frame
- 5-year limited warranty

easy to use "T-Handle" release
quadra drive DC motor for longer life
gate tracker reporting output
full size gearbox heavy-duty 30:1 ratio gearbox
# 9024 Vehicular Slide Gate Operator

## Technical Features

### Mechanical
- **Frame:** 3/16 steel, corrosion protected
- **Cover:** 1/4 inch polyethylene
- **Reduction:** Belt driven 30:1 gear reduction running in a continuous oil bath
- **Speed:** Approximately 1 ft/sec (30.5 cm/sec)
- **Chain:** Unit is shipped with 20-ft of #40 roller chain
- **Manual Release:** "T-Handle" release is easily accessible from front of operator
- **Operator Re-connects automatically when handle is released**

### Options
- **Heater Kit for cold weather environments**
- **Can only be used with AC powered operators**
- **Steel base plate for post mounting**
- **18 Ah batteries (AC powered operator only)**
- **Solar Kit (includes two 18 Ah batteries and 10 Watt, 24 VDC solar panel)**

### Electrical
- **Adjustable partial open limit**
- **Easy adjustable chain driven limit nuts**
- **Auto-close timer 1-30 seconds**
- **Selectable loop/reverse input function; stop or reverse**
- **Anti-tailgating feature helps to control un-authorized traffic**
- **Standard normally closed stop circuit**
- **DC Power Shut-Off switch**
- **Battery protection circuit**
- **Ports for plug-in open and reverse loop detectors – DKS detectors only**
- **Gate Tracker reporting output provides operator data to access control system (DKS 1833, 1835, 1837 or 1838 only)**
- **AC Powered Operator Only**
  - **115 VAC Convenience outlets**
  - **AC Power Shut-Off switch**
- **DC Powered Operator Only**
  - **0.0 Amp SBEpPro* Circuit**

### Miscellaneous
- **Environmental:** -10°F to 140°F (23°C to 62°C)
- **Thermostatically controlled heater kit required for operation below freezing temperatures to prevent batteries from freezing. Heater kit can only be used with AC powered operators.**
- **Operator requires Type B1 or Type B2 entrapment protection devices with 10K resistive termination, otherwise the operator will not function**
- **Shipping weight approximately 130-150 Lbs (59-68 kg)**
- **Depending on model and options selected**

## Specifications

<table>
<thead>
<tr>
<th>CLASS OF OPERATION</th>
<th>MAX GATE LENGTH *</th>
<th>MAX GATE WEIGHT *</th>
<th>MOTOR</th>
<th>INPUT</th>
<th>MAXIMUM CYCLES</th>
</tr>
</thead>
<tbody>
<tr>
<td>9024-080 (requires AC power)</td>
<td>40 Ft (12.2 m)</td>
<td>1000 Lbs. (453.6 kg)</td>
<td>1/2HP Quadra Drive DC Motor</td>
<td>115 / 230 VAC 1.8 A / 0.9 A</td>
<td>Continuous with AC source 40 with 7.2 Ah backup battery power¹,² 150 with 18 Ah backup battery power¹,²</td>
</tr>
<tr>
<td>9024-081 (requires solar power input)</td>
<td>40 Ft (12.2 m)</td>
<td>1000 Lbs. (453.6 kg)</td>
<td>1/2HP Quadra Drive DC Motor</td>
<td>24 VDC 8.5 A</td>
<td>150+¹,² with DK solar kit, unknown with systems / batteries provided by others</td>
</tr>
</tbody>
</table>

¹ Assumes gate is on level ground, in good condition with properly adjusted hardware.
² Assumes a 16 foot gate weighing 1000 Lbs. Other external factors (temperature, charge state of batteries, gate weight, gate length, etc.) will affect the performance of the gate operator and may reduce the number of cycles shown.