• Designed for single lane (14 ft maximum) vehicular control in high traffic applications
• Electronic Limit Settings
• Operators are designed so that they can be mounted on either the left or right hand side of the roadway
• Lighted and Breakaway Arm Kits available. Low headroom Folding Arm Kits also available
• DKS patent pending Loop Logic Vehicular / Pedestrian Detection System
• 5-Year Limited Warranty

1601 PARKING CONTROL BARRIER GATE OPERATOR

• COMMERCIAL • INDUSTRIAL

ACCESS CONTROL SOLUTIONS

lane barrier
surface mount accessory

lighted arms
for added visibility and safety

DKS Loop Logic
it's aware – even when they're not

breakaway arm option
reduce maintenance costs
1601 PARKING CONTROL BARRIER GATE OPERATOR

1601 1/2 HP
15.25\" W x 39.5\" H x 14.75\" D (38.7cm W x 100.3cm H x 37.5cm D)

<table>
<thead>
<tr>
<th>CLASS OF OPERATION</th>
<th>MAX ARM LENGTH</th>
<th>ARM TYPE</th>
<th>MOTOR</th>
<th>INPUT</th>
<th>OPTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1601</td>
<td>14 ft (4.3 m)</td>
<td>Wood</td>
<td>1/2 HP</td>
<td>115 VAC, 60 Hz, 5.4A</td>
<td>Convenience Open Package 2</td>
</tr>
<tr>
<td></td>
<td>12 ft (3.6 m)</td>
<td>Plastic</td>
<td>Continuous Duty</td>
<td>230 VAC, 60 Hz, 2.7A</td>
<td></td>
</tr>
<tr>
<td></td>
<td>14 ft (4.3 m)</td>
<td>Aluminum</td>
<td>AC Motor</td>
<td>460 VAC, 60 Hz, 1.4A</td>
<td></td>
</tr>
</tbody>
</table>

1 These operators use a step-down transformer to achieve 115 VAC operating voltage.
2 Optional factory installed DC powered drive system provides an automatic method to open the gate when primary (AC) power fails. Breakaway Barrier Arm option not available when equipped with Convenience Open option.
3 Breakaway Arm, and/or Lighted Arm available with aluminum arm type only.
4 This will be two-piece aluminum arm (reduces shipping cost).
5 Maximum length of arm when using a folding arm kit is 12 ft.

Technical Features

Electrical
- Magnetic Electronic Limit Controls
- Auto-Close timer 1-23 seconds
- P.A.M.S. (Perimeter Access Management System) sequence with a Slide or Swing Gate Operator
- Up Input Memory Buffer
- Down Memory Option
- Multiple Up Commands
- Port for plug-in (Up) Detector
- Port for plug-in Reverse (Down) Detector
- Programming Switches
- Built-in Power On/Off Switch
- Gate Tracker™ reporting output provides operator data to Access Control System (DKS 1833, 1835, 1837 or 1838 only)
- Loop Logic Vehicular / Pedestrian Safety System: The system reverses Barrier Arm if person is detected, and lowers Barrier Arm if unauthorized vehicle enters. Requires DKS 9411 Loop Detector.

Mechanical
- Primary Reduction is provided by a 40:1 Worm Gear Reduction System running in a continuous oil bath
- Arm rotates 90° in approximately 1.5 seconds
- G90 Galvanized Steel Housing, painted white
- Fail-Secure Mechanical Release Method
- Left- or Right-Hand Mount
- 360° gear box rotation before the motor changes direction. Provides smooth operation, evenly wears across the entire gear-box, and increases the life span of the operator

Options
- Lighted Barrier Arms: Enhanced safety and increased visibility. Energy efficient LED lamps are recessed behind the red/white warning tape on the round Aluminum Barrier Arms.
- Breakaway Hardware Kit: Allows arm to swing out of the way in the event that a vehicle fails to stop at a lowered Arm. The system is easily reset by simply snapping the Arm back into place. For Aluminum Arms only and not available with Convenience Open option.
- 1620 Lane Barrier Add-on Steel Barrier Arm and heavy duty steel posts provide a formidable barrier to help prevent passenger vehicles and light-duty trucks from driving through a controlled traffic lane, without the expense of bollards, wedges, or crash beams. (Not crash rated.)
- 1601-528 2-Piece Arm 14 Ft (4.27 m) The two piece Aluminum Arm Ships in a 7-ft (2.13 m) long box to reduce shipping cost. Two piece design does not except light kit.

Miscellaneous
- Environmental: 10ºF to 140ºF (-12°C to 62°C)
- Thermostatically Controlled Heater Kit recommended for colder environments.
- 1601 shipping weight approximately 140-160 lb (63-72 kg) Arm Kit: 15 lb (7 kg)

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