



1601 PARKING CONTROL BARRIER GATE OPERATOR

• COMMERCIAL • INDUSTRIAL



- 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



lane barrier
surface mount accessory



lighted arms
for added visibility and safety



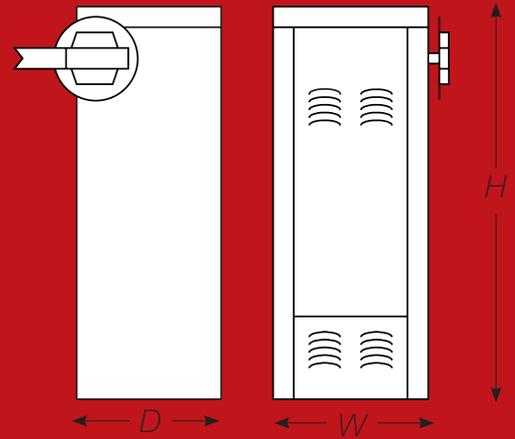
DKS Loop Logic
it's aware – even when they're not



breakaway arm option
reduce maintenance costs

ACCESS CONTROL **SOLUTIONS**

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)

| | CLASS OF OPERATION | MAX ARM LENGTH | ARM TYPE | MOTOR | INPUT | OPTIONS |
|-------------|--------------------|---|-----------------------------|---------------------------------------|--|---|
| 1601 | II, III, IV | 14 ft (4.3 m) 12 ft (3.6 m) 14 ft (4.3 m) | Wood Plastic Aluminum | 1/2 HP Continuous Duty AC Motor | 115 VAC, 60 HZ, 5.4A 230 VAC, 60 HZ, 2.7A ¹ 460 VAC, 60 HZ, 1.4A ¹ | Convenience Open Package ² Heater and Fan Kits Folding Arm Kits ⁵ Breakaway Arm Kit ³ Lighted Arm ³ 1620 Lane Barrier 2 Piece Arm Kit ⁴ |

- 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 Open (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. This provides for smooth operation, evens wear 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: 10°F to 140°F (-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)



Access Control Solutions since 1948

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