



1601 PARKING CONTROL BARRIER GATE OPERATOR



HIGH USAGE SINGLE LANE TRAFFIC CONTROL

- 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 Loop Logic Vehicular / Pedestrian Detection System
- 5-Year Limited Warranty

COMMERCIAL • INDUSTRIAL



Lane Barrier
surface mount accessory



**Octagonal Lighted
Signal Arm**
light the way for customers to exit easily
and safely with signals and sensors



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

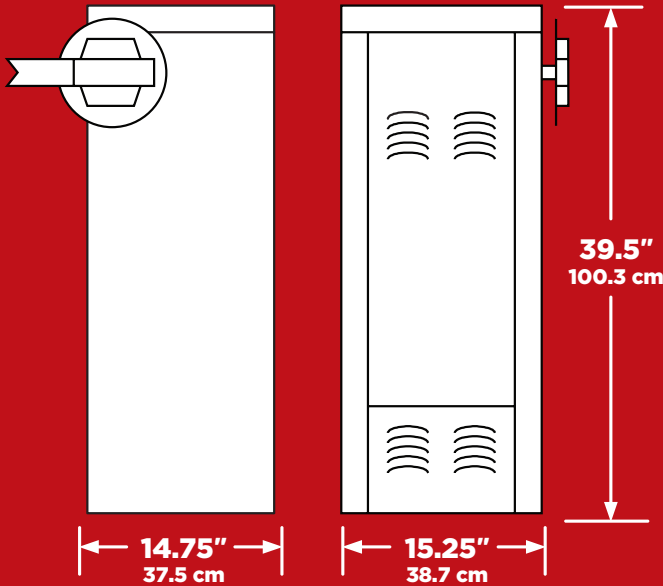


Breakaway Arm Option
reduce maintenance costs

ACCESS CONTROL SOLUTIONS



1601 PARKING CONTROL BARRIER GATE OPERATOR



MODEL	1601
CLASS OF OPERATION	II, III, IV
ARM TYPE/MAX LENGTH	Plastic / 12 ft (3.6 m) Wood / 14 ft (4.3 m) Round Aluminum / 14 ft (4.3 m) Octagonal Aluminum / 14 ft (4.3 m)
MOTOR	1/2 HP • Continuous Duty • AC Motor
INPUT	115 VAC, 60 Hz, 5.4A 230 VAC, 60 Hz, 2.7A ¹ 460 VAC, 60 Hz, 1.4A ¹
OPTIONS	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

MECHANICAL

Primary Reduction is provided by a 60:1 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

GATE TRACKER™

Reporting output provides operator data to a DKS 1833, 1835, 1837 or 1838 access control system (requires 2358 expansion board)

OPTIONS

Aluminum Lighted Barrier Arms: Octagonal arm LEDs are RED when the arm is down and turn to GREEN when the arm rotates full up. Round arm LEDs are white in either arm position.

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.)

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.

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
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.

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)



DoorKing® Inc.

Access Control Solutions since 1948



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