



# 1603 PARKING CONTROL

## BARRIER GATE AUTO SPIKE SYSTEM



### FOR A HIGHER DEGREE OF TRAFFIC CONTROL

- Mechanically links traffic control autospikes to the operator arm
- Designed for single lane (14 ft maximum) traffic lanes
- Electronic magnetic limit settings
- Octagonal lighted arms and low headroom folding arm kits available
- Pedestrian Protection System available (See back page for system requirements)
- 5 year limited factory warranty on operator
- 1 year limited warranty on tunnel sections, spike sections, and end cap

COMMERCIAL • INDUSTRIAL • MAXIMUM SECURITY



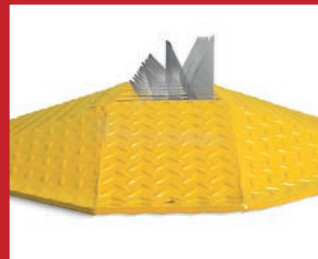
#### Drive Extension Safety Design

flexible shaft drive keeps Spikes operable and eliminates down time from breakage.



#### Gate Tracker™

provides operator data to companion access controller (DKS 1833, 1835, 1837, 1838).



#### Surface Mount

spikes install easily without trenching and double as a speed bump.

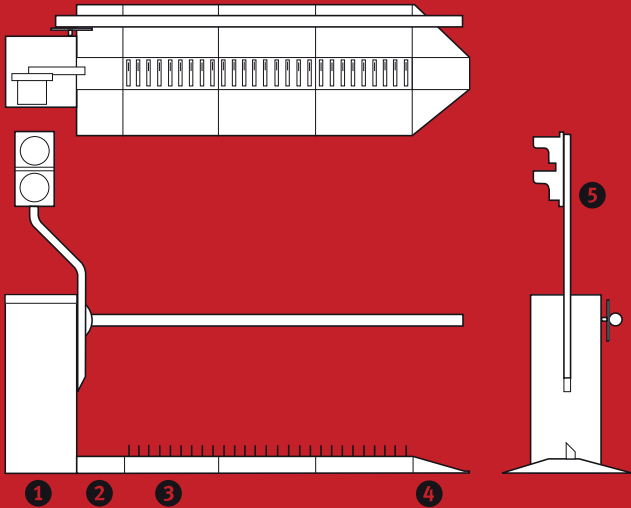


#### Warning Sign and Signal Light

sign warns drivers and signal light (red/green) is synchronized with the barrier arm.

ACCESS CONTROL SOLUTIONS

# DKS DOOR KING® 1603 PARKING CONTROL BARRIER GATE AUTO SPIKE SYSTEM



- 1 Operator**  
15.25" W x 43.5" H x 15.5" D  
(387mm W x 1105mm H x 394mm D)
  - 2 Drive / Tunnel Sections** surface mount  
20" W x 2" H x 18" L  
(508mm W x 50.8mm H x 457.5mm L)
  - 3 Spike Section** surface mount  
20" W x 2" H x 36" L  
(508mm W x 50.8mm H x 914mm L)
  - 4 End Cap**  
20" W x 2" H x 7" D  
(508mm W x 50.8mm H x 177.8mm D)
  - 5 Signal Light (option)**  
9.75" W x 21" H x 14" D  
(247mm W x 533mm H x 355mm D)  
(includes lens shield)
- Warning Sign - Required**  
24" W x 24" H x 8" D  
(610mm W x 610mm H x 203mm D)

MODEL 1603		SPIKE COMPONENTS REQUIRED	
CLASS OF OPERATION	II, III, IV	Warning Sign <sup>1</sup>	
ARM TYPE/ MAX LENGTH	Round Aluminum 14 ft (4.3m) Octagonal Aluminum 14 ft (4.3m)	18 in (.45m) Drive Extension <sup>2</sup> 3 ft (.91m) Spike Section <sup>3</sup>	
MOTOR	1/2 HP Continuous Duty AC Motor	End Cap	
INPUT	115 VAC, 60 Hz, 5.4A 230 VAC, 60 Hz, 2.7A <sup>1</sup> 460 VAC, 60 Hz, 1.4A <sup>1</sup>	18 in (.45m) Tunnel Section <sup>4</sup>	
OPTIONS	Heater and Fan Kits Folding Arm Kit <sup>2</sup> Lighted Arm 2 Piece Arm <sup>3</sup> Traffic Signal <sup>4</sup>	Any combination of the drive extension + spike sections + tunnel sections should not exceed 14 ft (4.3m).	

1. These operators use a step-down transformer to achieve 115 VAC operating voltage.
2. Maximum length of folding arm is 12 ft (3.6m)
3. Two-piece arm reduces shipping cost.
4. 12 VDC Red/Green LED traffic signal with 35 in (.89m) mount post.

1. LED illuminated sign mounts on 3.5 in (89mm) post (post not supplied).
2. Use only one drive extension.
3. Four (4) maximum.
4. As required.

## TECHNICAL FEATURES

### MECHANICAL

Primary Reduction is provided by a 60:1 Worm Gear Reduction System running in a continuous oil bath

Arm and spikes rotate 90° in approximately 2.5 seconds

G90 galvanized steel housing, painted white

Fail-secure mechanical release method, and hand crank allows lowering of the spikes in the event of a power outage

### GATE TRACKER™

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

### OPTIONS

Aluminum Octagonal Lighted Barrier Arm's LEDs are RED when the arm is down and turn to GREEN when the arm rotates full up.

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

DKS Pedestrian Protection System: The system reverses Barrier Arm if person is detected, and lowers Barrier Arm if unauthorized vehicle enters. Requires DKS 9411 Loop Detector and a photo-beam.

### MISCELLANEOUS

Environmental: 35°F to 115°F (1.6°C to 46°C)

CAUTION: Installation and use of this product in areas that are subject to freezing weather with the potential of snow and ice accumulation is not recommended.

Heater and fan kits are available for extreme environments.



## DoorKing®, Inc.

Access Control Solutions since 1948



120 S. Glasgow Avenue,  
Inglewood, California 90301 U.S.A.  
Tel: 310-645-0023 FAX: 310-641-1586  
www.doorking.com

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