



# 1601 TRAFFIC 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
- Pedestrian Protection System available (See back page for system requirements)
- 5-Year Limited Warranty

COMMERCIAL • INDUSTRIAL • GATED  
COMMUNITIES • APARTMENT COMPLEXES



### Left or Right Hand Mount

Operators are designed so they can be mounted on either the left or right hand side of the roadway.



### Octagonal Lighted Signal Arm Option

light the way for customers to exit easily and safely with signals and sensors



### Pedestrian Protection System Available

it's aware - even when they're not



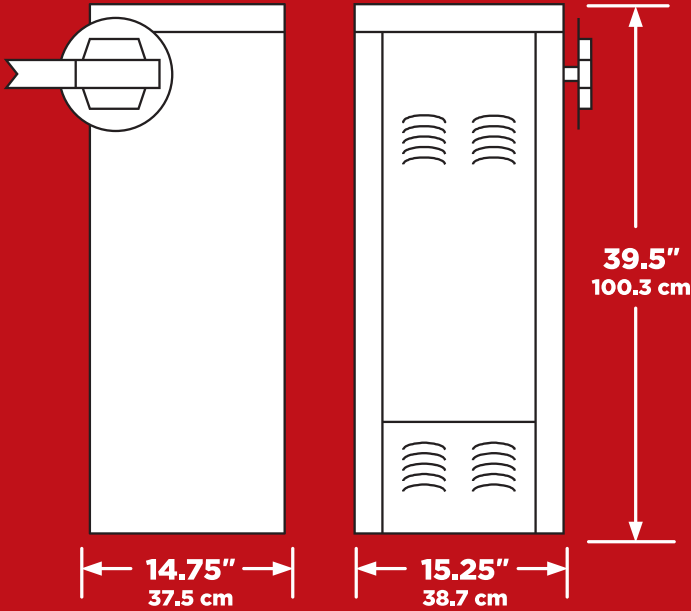
### Breakaway Arm Option

reduce maintenance costs

ACCESS CONTROL SOLUTIONS



# 1601 TRAFFIC CONTROL BARRIER GATE OPERATOR



## 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 2.5 seconds  
 G90 Galvanized Steel Housing  
 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 Octagonal Lighted Barrier Arm:** Octagonal Arm LEDs are RED when the arm is in the down position and turns to GREEN when the arm rotates to the full up 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.  
**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 accept 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: 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)

MODEL	1601
CLASS OF OPERATION	II, III, IV
ARM TYPE/MAX LENGTH (ARMS ARE SOLD SEPARATELY)	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 <sup>1</sup> 460 VAC, 60 Hz, 1.4A <sup>1</sup>
OPTIONS	Convenience Open Package <sup>2</sup> Heater and Fan Kits Folding Arm Kits <sup>5</sup> Breakaway Arm Kit <sup>3</sup> Octagonal Lighted Signal Arm 2-Piece Arm Kit <sup>4</sup>

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.
3. Breakaway 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.



## 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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