



# 1601 PARKING CONTROL BARRIER GATE OPERATOR

• COMMERCIAL • INDUSTRIAL



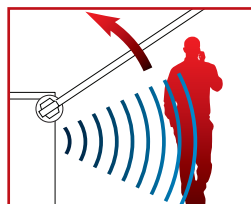
- Designed for single lane (14 feet maximum) vehicular control in high traffic applications
- Electronic limit settings
- Operators are designed so that they can be mounted on either the left or right hand side of the roadway
- Lighted and breakaway arm kits available. Low headroom folding arm kits also available
- DKS patent pending Loop Logic vehicular/pedestrian detection system
- 5-year limited warranty



**automatic p.a.m.s.**  
sequencing with slide and swing gates



**lighted arms**  
for added visibility and safety



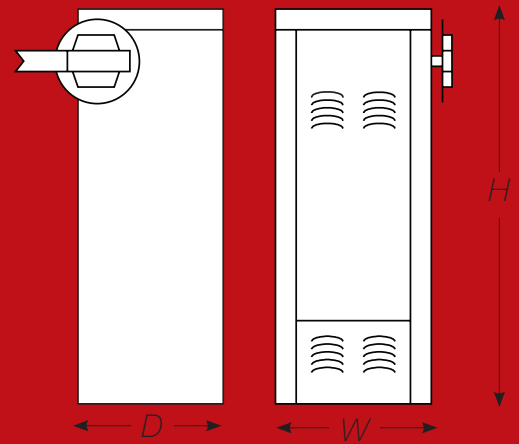
**DKS Loop Logic**  
it's aware -- even when they're not



**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
<b>1601</b>	II, III, IV	14 Ft (4.3 m) 12 Ft (3.6 m) 14 Ft (4.3 m)	Wood Plastic Aluminum	1/2HP Continuous Duty AC Motor	115 VAC, 60 HZ, 5.4A 230 VAC, 60 HZ, 2.7A <sup>1</sup> 460 VAC, 60 HZ, 1.4A <sup>1</sup>	Convenience Open Package <sup>2</sup> Heater and Fan Kits Folding Arm Kits Breakaway Arm Kit <sup>3</sup> Lighted Arm <sup>3</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. 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.

## Technical Features

### 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

### 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)

### Options

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.

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.

### Miscellaneous

Environmental: 10°F to 140°F (-12°C to 62°C)

Thermostatically controlled heater kit recommended for colder environments

Shipping weight approximately 140-160 Lbs (63-72 kg)  
Arm kit: 15 Lbs (7 kg)



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Secure Lane LLC  
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www.barriergatearm.com  
(520)780-9751

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DOORKING®, INC.

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

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Rev. 10/15