



VEHICULAR PARKING CONTROL



Apartment Complex/Gated Communities • Mixed Use Buildings
Commercial/Industrial • Parking • Self Storage • Maximum Security

PARKING CONTROL

A System for All Applications



BARRIER ARM OPTIONS

Aluminum and wood arms come in 14-foot (4.3m) lengths. Plastic arm comes in 12-foot (3.6m) lengths.

For low headroom requirements, folding arm kits are available for all arm types.

To enhance safety, foam padding is available for the aluminum and wood arms.

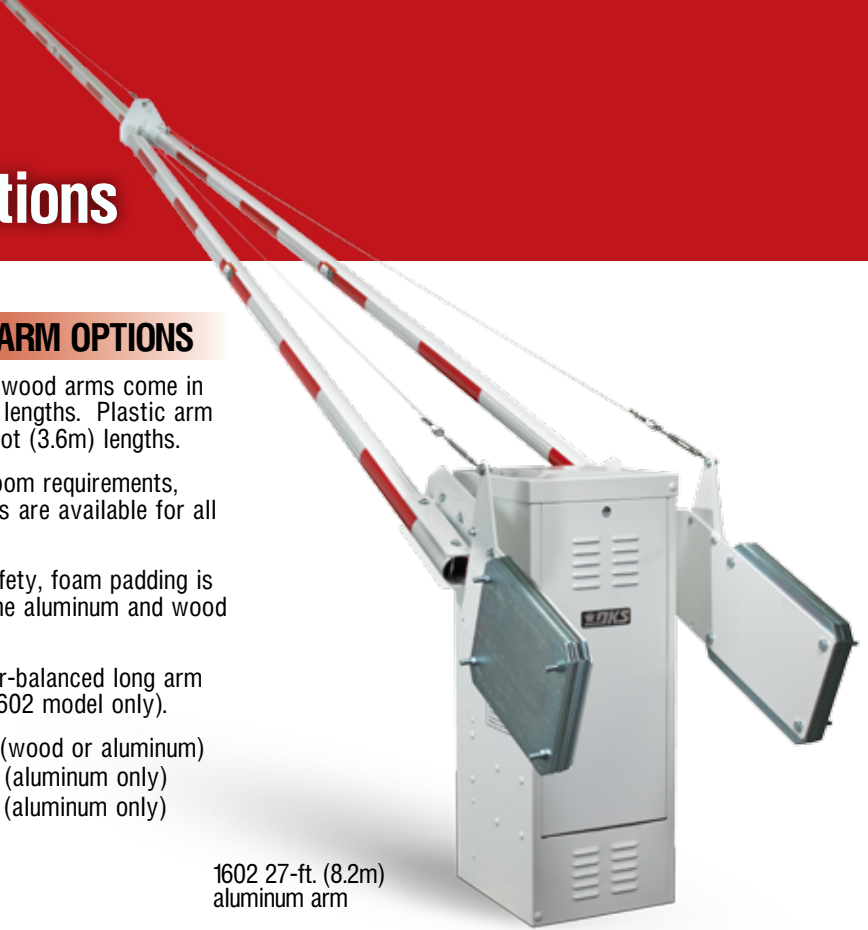
3-piece counter-balanced long arm applications (1602 model only).

20-feet (6.1m) (wood or aluminum)

24-feet (7.3m) (aluminum only)

27-feet (8.2m) (aluminum only)

1602 27-ft. (8.2m)
aluminum arm



TRAFFIC CONTROL SPIKE SYSTEMS

Traffic control spikes are ideal to enforce one-way traffic direction. Always use Warning Signs with traffic spike systems.

A lock-down option allows for temporary two-way traffic lanes.



Flush mount spikes come in 6-foot (1.8m) sections and are available with a spring retraction system or weighted retraction system.

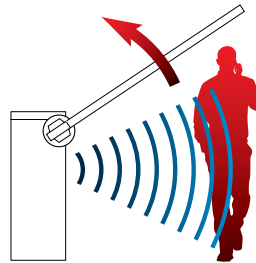


Retractable surface mount spikes install easily without trenching and double as a speed bump. Available in 3-foot (.9m) sections.

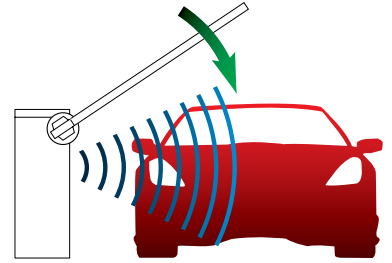


LOOP LOGIC SAFETY SYSTEM

DKS barrier operators now offer a Loop Logic (*PatPend*) vehicular/pedestrian detection system that knows when to allow the barrier arm to come down – or not. The system reverses barrier arm if person is detected, and lowers barrier arm if unauthorized vehicle enters. This allows the protection of parking facilities to help prevent inadvertent accidents from happening.



Reverses barrier arm if person is detected



Lowers barrier arm if unauthorized vehicle enters

BACKUP POWER INVERTERS

The Model 1000 power inverter provides backup power for a single gated access control system when primary AC power fails by converting 12 volt DC power to 120 volt AC power. This capability maintains a completely operable access control system during power outages and brown outs and is ideal for smaller applications with a single gate system.



1601

Single Lane Barrier Gate Operator



The Model 1601 is for high usage single lane vehicular traffic control.

1602

Multi/Wide Lane Barrier Gate Operator



The Model 1602 is for limited use applications such as industrial sites and loading dock areas. The 1602 is used to control wide traffic lanes.

1. Sequencing

- Automatic sequencing when used in conjunction with slide or swing gate operators.



2. Arm Options

- 3-inch (7.62cm) round aluminum painted white with Red/White retroreflective MUTCD required markings.
- .75 x 3.5 inch (1.9cm x 8.9cm) Wood (kiln dried) painted white with Red/White retroreflective MUTCD required markings.
- 2.5 inch (6.4cm) square white plastic with Red/White retroreflective MUTCD required markings. Plastic arm is available on 1601 model only.



3. Arm Left

- Operators are available for left and right hand side mounting.

Key Features

- Magnetic limit control.
- Ports for plug-in loop detectors (DKS loop detectors only)
- Automatic sequencing inputs for use with slide and swing gate operators
- Up input memory
- Down memory
- Two convenience outlets
- Gate tracker reporting output
- Programming switches
- Built-in power On/Off switch
- Left or right hand mount
- 1601 360° gear box rotation provides for smooth operation, evens wear across the entire gear-box, and increases the life span of the operator

Model 1601

- Single lane (14 ft. max - 4.3m) vehicular traffic control
- High traffic commercial and industrial applications
- 40:1 gear-box running in a continuous oil bath
- 1/2 HP continuous-duty motor
- Arm rotates 90° in approximately 1.5 secs

Model 1602

- Wide traffic lanes up to 27 ft. wide (8.2m)
- Low use commercial and industrial applications
- Uses a counter-balanced three-piece wishbone style arm assembly, and is used with the extended arm barriers
- 60:1 gear-box running in a continuous oil bath
- 1 HP continuous-duty motor
- Arm rotates 90° in approximately 5.5 secs

Model 1603

- Retractable spike sections are available in 3 ft. (.9m) lengths
- 18 inch (45.7cm) tunnel sections available
- 40:1 gear-box running in a continuous oil bath
- 1/2 HP continuous-duty motor
- A traffic signal and/or warning sign is required
- Arm rotates 90° in approximately 1.5 secs

1603

Single Lane Modular Barrier Gate Operator/ Auto Spike System

The DKS 1603 modular system mechanically links the spikes to the barrier arm, and sequences with the traffic light and in conjunction with slide or swing gate operators. Surface mount spikes install easily without trenching and double as a speed bump. Flexible shaft drive keeps spikes operable and eliminates down time from breakage.



1150

Low Profile Overhead Gate Operator

Overhead gate operators available for gate heights of 8, 10, 12 and 14 feet (2.4m, 3.0m, 3.6m and 4.3m)

Key Features:

- Advanced microprocessor control board
- Ports for plug-in open and reverse limit switches
- Selectable loop function (stop or reverse)
- Direct driven limit nuts for precise gate positioning
- Auto-close timer 1-23 sec. Timer override
- Gate tracker reporting output
- Keyed manual release
- Built-in anti-collision
- External obstruction sensing devices

Left or Right Mounts

Designed so that they can be mounted on either the left or right side of the roadway.



4. Folding Arm Kits

- For low ceiling applications, folding arm kits are available for the aluminum, wood and plastic arms used with models 1601 and 1603.



Low Profile

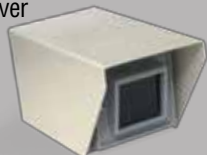
- Low profile (only 9.25 inches high) design makes the 1150 ideal for use in underground parking areas.

Accessories

SAFETY DEVICES

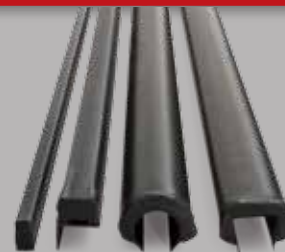
Photo-eyes

- Photo-reflective beam has a scan distance of 30 ft. (9.1m)
- Includes reflector and mounting bracket
- Thru-beam photocell has a scan distance of 65 ft. (19.8m)
- Separate sender and receiver
- Infrared beam
- Hooded metal enclosure



Reversing edges

- A variety of edge styles
- Mounting channels included
- 2-wire edges can be hard wired



Loop Logic

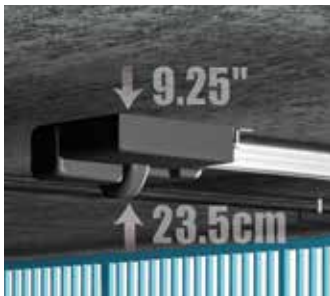
- DKS vehicular/pedestrian detection system
- Reverses barrier arm if pedestrian detected
- Lowers arm if unauthorized vehicle enters





ward
 op detectors (DKS loop detectors only)
 erse)
 ate control
 erriide feature helps prevent tailgating
 n power switch
 must be used with these operators

23.5cm)
 or low clearance



	1601	1602	1603
Maximum Arm Width	14 ft (4.3m)	27 ft (8.2m)	14 ft (4.3m)
Folding Arm Kit (low ceilings)	✓	-	✓
Horse Power			
Half HP	✓	-	✓
One HP	-	✓	-
Loop Detector Ports	✓	✓	✓
Gate Tracker	✓	✓	✓
Convenience Open Package *	✓	✓	✓

* Optional factory installed DC powered drive system provides an automatic method to open the gate when primary (AC) power fails.

Model	Usage			Barrier Arm			Notes
	High Use Commercial	Limited Use Industrial	Cycle Time	Length	Type	Low Ceiling	
1601	✓	✓	90° 1.5 Sec	14 Ft. (4.3m)	Aluminum	Folding arm kit option available	No
				14 Ft. (4.3m)	Wood		
				12 Ft. (3.6m)	Plastic		
1602		✓	90° 5.5 Sec	20 Ft. (6.1m)	Wood	No	No
				20 Ft. (6.1m)	Aluminum		
				24 Ft. (7.3m)	Aluminum		
				27 Ft. (8.2m)	Aluminum		
1603	✓	✓	90° 1.5 Sec	14 Ft. (4.3m)	Aluminum	Folding arm kit option available	Yes
				14 Ft. (4.3m)	Wood		



Traffic Control

Warning signs and traffic signals provide highly visible indication of one-way lane conditions and when it is safe to proceed. Signal light (red/green) is synchronized with the barrier arm.



Loop Detectors

Plug-in detectors (DKS only) and hard wired detectors. Single and dual channel. Pre-fabricated loops available or form your own loops.



Fan and Heater Kits

Several options for extreme conditions.

