

# 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.

Breakaway arm available for the 1601 Model.

Lighted 14 ft (4.27m) round aluminum arm for enhanced safety and increased visibility.

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

3-piece counter-balanced long arm applications up to 27-feet (8.2m) for the 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.

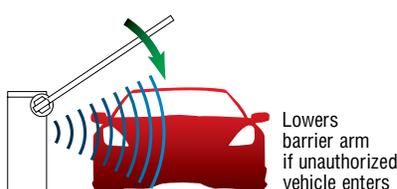
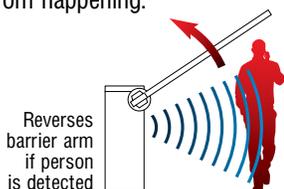


#### Retractable surface

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

### Loop Logic Safety Systems

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.



### Back-up 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

# 1602 Multi/Wide Lane Barrier Gate Operator



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



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. Lighted Arm

- Enhanced safety and increased visibility.
- Energy efficient LED lamps.



## 2. Breakaway Arm Option

- Reduce maintenance costs.
- Allows arm to swing out of the way when struck by a vehicle.
- Easily reset by simply snapping the arm back into place.



## 3. Arm Mounts Left or Right

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

# 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
- 1/2 HP continuous-duty motor
- High traffic commercial and industrial applications
- 40:1 gear-box running in a continuous oil bath
- Arm rotates 90° in approximately 1.5 secs

### Model 1602

- Wide traffic lanes up to 27 ft. wide (8.2m)
- 1 HP continuous-duty motor
- 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
- Arm rotates 90° in approximately 5.5 secs

### Model 1603

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

# 1603 Single Lane Modular Barrier Gate Operator/Auto Spike System

# 1175

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.



### Key Features:

- Advanced microprocessor control board
- Ports for plug-in open and reverse loop detectors (DKS loop detectors only)
- Selectable loop function (stop or reverse)
- Direct driven limit nuts for precise gate control
- Auto-close timer 1-23 sec. Timer override feature helps prevent tailgating
- Gate tracker reporting output
- Keyed manual release
- Built-in power switch
- External obstruction sensing devices must be used with these operators

## 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.



## SAFETY DEVICES

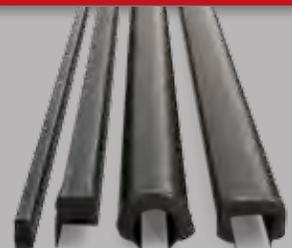
### Photo-eyes

- Photo-reflective beams have a scan distance up to 45 ft. (14m)
- Includes reflector and mounting bracket
- Thru-beam photocells have a scan distance up to 100 ft. (30.48m)
- Separate sender and receiver
- Hooded metal enclosure
- Infrared beam



### Reversing edges

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

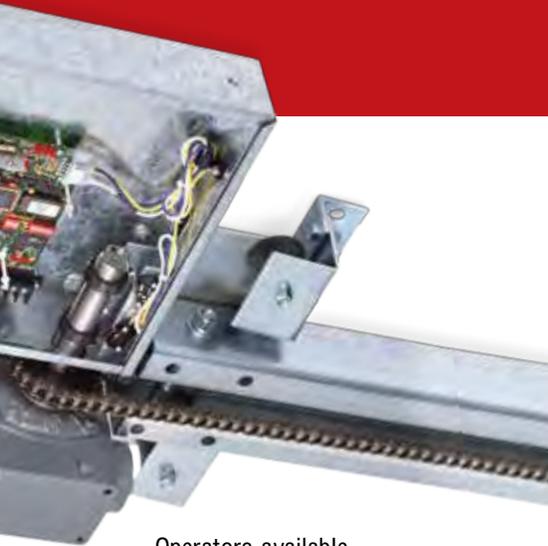


### Loop Logic

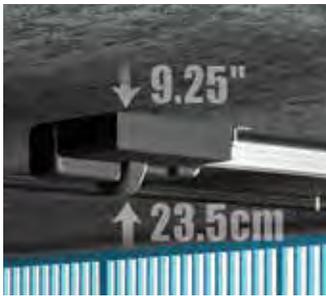
- DKS vehicular/pedestrian detection system
- Reverses barrier arm if pedestrian detected
- Lowers arm if unauthorized vehicle enters

Accessories

## Low Profile Overhead Door/Gate Operator



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



## Low Profile

- Low profile (only 9.25 inches - 23.5cm) design makes the 1150 ideal for low clearance underground parking areas.
- Optional cover shown.

	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				
	High Use Commercial	Limited Use Industrial	Cycle Time	Length	Type	Folding Kit	Breakaway	Lighted
1601	✓	✓	90° 1.5 Sec	14 Ft. (4.3m)	Aluminum	Yes	No	No
				14 Ft. (4.3m)	Wood	Yes	No	No
				12 Ft. (3.6m)	Plastic	Yes	Yes	Yes
1602		✓	90° 5.5 Sec	20 Ft. (6.1m)	Wood	No	No	No
				20 Ft. (6.1m)	Aluminum	No	No	Yes
				24 Ft. (7.3m)	Aluminum	No	No	Yes
				27 Ft. (8.2m)	Aluminum	No	No	Yes
1603	✓	✓	90° 1.5 Sec	14 Ft. (4.3m)	Aluminum	Yes	No	Yes



## 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.

