

# BARRIER GATE SAFETY



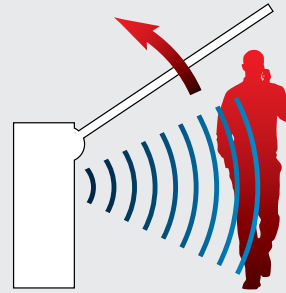
**IT'S AWARE,  
EVEN WHEN  
THEY'RE NOT**

**WARNING**  
Barrier Gate Can Cause  
Injury or Death  
Do not touch or play with  
the gate or the barrier arm.  
Do not stand in the path of the  
gate or the barrier arm.  
Do not use the barrier arm  
to support weight.

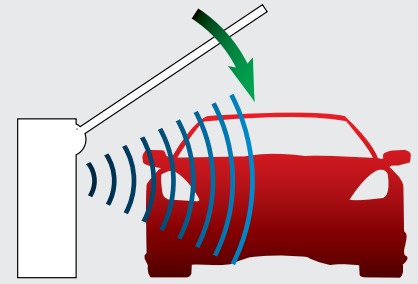


## LOOP LOGIC SAFETY SYSTEM.

In today's busy world, people often forget to pay attention to their surroundings and can inadvertently place themselves in harm's way. DKS Barrier Gate Operators (1601, 1602, 1603) offer a Loop Logic Detection System that knows when to allow the Barrier Arm to come down - or not. Protect the integrity of the parking facility and prevent those inadvertent accidents from happening. After all, you have better things to do than deal with liability issues.



*Raises if person is detected.*



*Lowers if unauthorized vehicle enters.*



**Model 1601**  
Aluminum Arm

**Model 1601**  
Aluminum Folding Arm

**Model 1602**  
Wood Wishbone Arm

**Model 1602**  
Aluminum Wishbone Arm



# BARRIER GATE PRACTICAL DESIGN

YOU DON'T HAVE  
TO STOP  
JUST BECAUSE  
THEY DON'T



**WARNING**  
Moving Gate Can Cause  
Serious Injury or Death  
Always CLEAR gate and area at all times  
before gate movement. Do not go into  
the gate area.  
This barrier gate has automatic stop.



Lighted  
Arms



Breakaway  
Arms

## BREAKAWAY AND LIGHTED BARRIER ARMS.

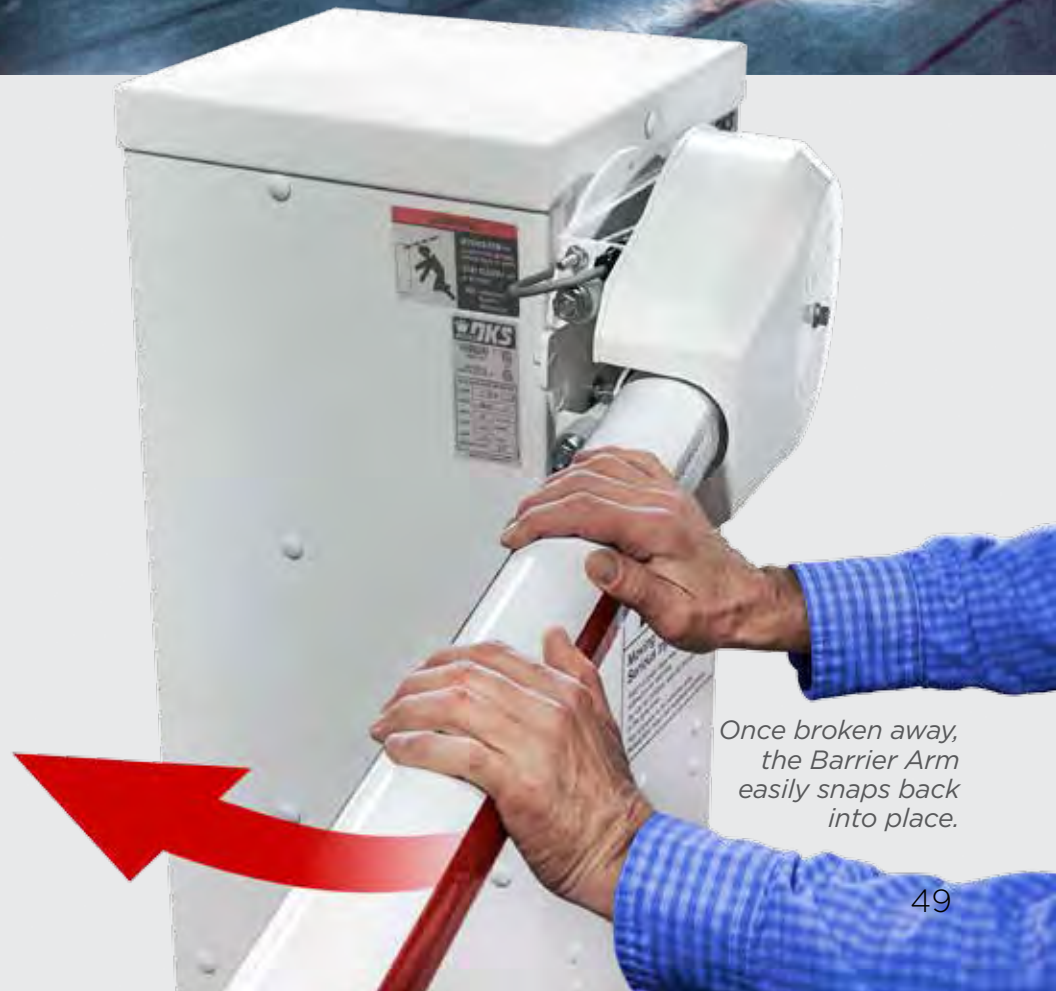
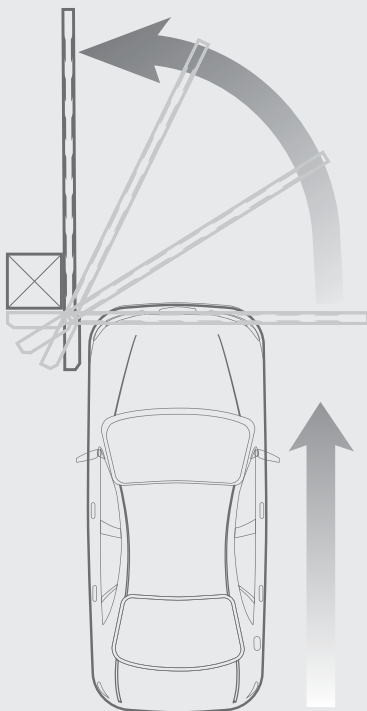
The perfect solution to reduce maintenance costs, DoorKing's Breakaway Hardware Kit for Model 1601 Barrier Gate Operators prevents costly Arm replacements by allowing the Arm to swing out of the way in the event that a vehicle fails to stop at a lowered Arm. The system is easily reset by simply snapping the Arm back into place.

The Breakaway Kit is designed for Aluminum Arms only and can be set to breakaway from either side of the cabinet.

The Breakaway Hardware Kit can be used in conjunction with the DKS Aluminum Lighted Barrier Arm. Lighted Arms are a great way to enhance safety and increase visibility, the energy efficient LED lamps are recessed behind the red/white warning tape on the DKS round Aluminum Barrier Arms.



*Arm releases on impact.*



*Once broken away, the Barrier Arm easily snaps back into place.*

# 1601 BARRIER GATE OPERATOR

## HIGH USAGE SINGLE LANE TRAFFIC CONTROL



**Model 1601**  
Barrier Gate

The Model 1601 is for high usage single-lane vehicular traffic control. Typical applications include commercial, industrial, gated communities and apartment complexes. A quick 1.5 second rotation opening time, along with rugged construction and multiple optional features make this 1601 a versatile answer to many parking control problems.

These Operators are designed so that they can be mounted on either the left or right hand side of the roadway. A battery powered Convenience Open option is available, which provides a method to open the gate if AC power is lost.



Loop Logic



Breakaway  
Arms



Lighted  
Arms

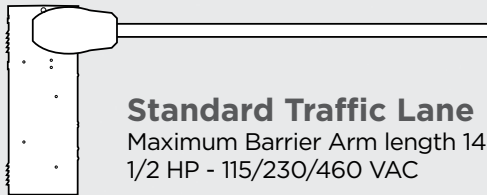




Battery-powered Convenience Open option available, which provides a method to open the gate if AC power is lost.

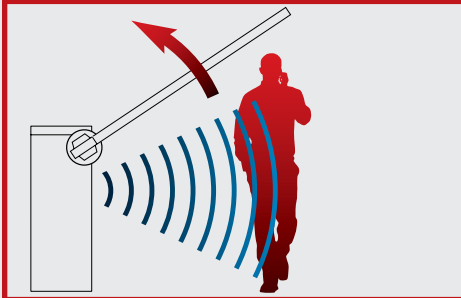
## KEY FEATURES:

- Magnetic limit control
- Up Input memory buffer
- Down Memory option
- Multiple Up commands
- Two Convenience Outlets
- Gate Tracker Reporting output
- Programming Switches
- Built-in Power On/Off Switch
- Left or right hand mount
- Fan/Heater Kits
- 40:1 gear-box running in a continuous oil bath
- 360° gear box rotation
- Barrier Arms up to 14 ft (4.26 m) available
- Aluminum Arms available with lighted and breakaway options
- Aluminum Barrier Arms available in easy-to-ship 2-piece 7 ft (2.13 m) lengths
- Wood and Plastic Arms are also available



### Standard Traffic Lane

Maximum Barrier Arm length 14 ft (4.3 m),  
1/2 HP - 115/230/460 VAC



### DKS Loop Logic

It's aware - even when they're not



### Left or Right Hand Mount

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

### Perimeter Access Management System

Automatic sequencing inputs for use with Slide and Swing Gate Operators



### Lighted Arms

For added visibility & safety (aluminum only)



### Breakaway Arm Option

Reduces maintenance costs (aluminum only)



# 1602 BARRIER GATE OPERATOR

## TRAFFIC CONTROL BARRIER OPTIONS THAT FIT ANY APPLICATION



**Model 1602**  
Barrier Gate

The Model 1602 is for limited-use applications such as industrial sites and loading dock areas, designed to control wide traffic lanes. The heavy-duty Harmonic Arm Linkage assures smooth and accurate Arm travel of 90° in approximately 5.5 seconds.

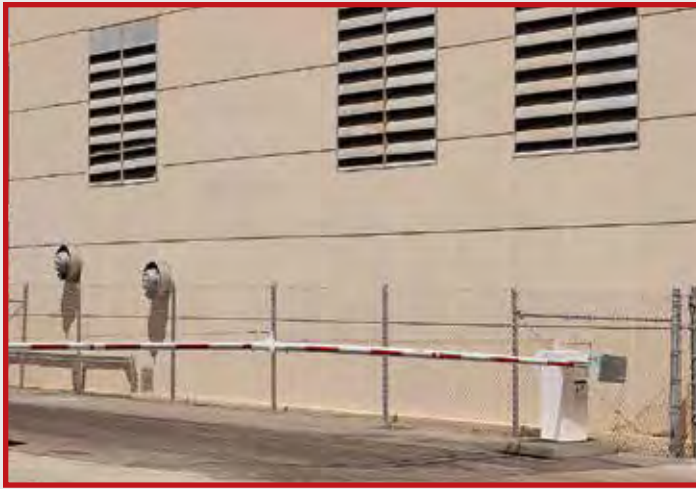
These Operators are designed so they can be mounted on either the left or right hand side of the roadway. Battery-powered Convenience Open option available, which provides a method to open the gate if AC power is lost.



Loop Logic



Lighted  
Arms



The 1602 covers massive lanes up to 27 ft.

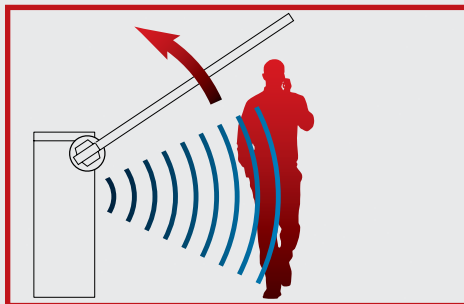
## KEY FEATURES:

- Magnetic Limit Control
- Ports for plug-in Open and Reverse Loop Detectors (DKS Loop Detectors only)
- Automatic sequencing inputs for use with Slide and Swing Gate Operators
- Up Input memory buffer
- Down Memory option
- Multiple Up commands
- Two Convenience Outlets
- Gate Tracker Reporting output
- Programming Switches
- DC-powered Convenience Open option
- 3-piece wishbone style Aluminum Arms available in 20, 24, and 27 ft (6.1, 7.3, 8.2 m) lengths
- Aluminum Arms available with lighted option
- Wood 3-piece wishbone style Arm available in 20 ft (6.1 m) length



### Wide Traffic Lanes

Maximum Barrier Arm length 27 ft (8.2 m),  
1 HP - 115/230/460 VAC



### DKS Loop Logic

It's aware - even when they're not



### Left or Right Hand Mount

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

### Perimeter Access Management System

Automatic sequencing inputs for use with Slide and Swing Gate Operators



### Fan and Heater Kits

Several options for extreme weather conditions



### Wishbone Style Aluminum

Arms up to 27 ft (8.2 m) in length





# 1603 BARRIER GATE AUTO SPIKE SYSTEM

## FOR A HIGHER DEGREE OF TRAFFIC CONTROL



The DKS 1603 Barrier Gate Operator Automated Spike System is designed as a modular system, allowing for easy flexibility in different applications and easy installation. The 1603 Operator is designed with many advanced features and mechanically links the Spikes to the Barrier Arm. Ideal for parking lots, rental car agencies, schools, car dealerships, government agencies, or in any application where a higher degree of traffic control is preferred.

A typical system will require the 1603 Operator, a Drive Extension, Tunnel Section(s) as needed, Spike Section(s) as needed, and an end cap. A Traffic Signal and/or Warning Sign is required with this system. Contact your professional DKS system installer, or DoorKing directly, for more information on complete system requirements.

**Model 1603**  
Barrier Gate



Loop Logic



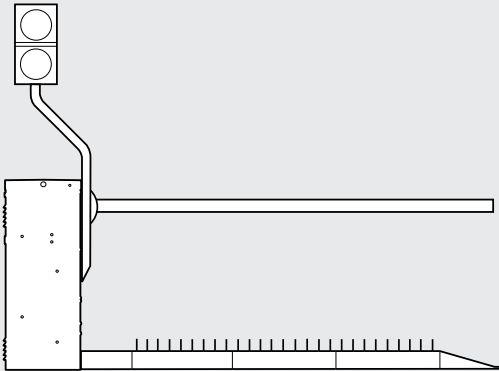
Lighted  
Arms



The above-ground Automated Spike System installs quickly and easily anywhere for flexible traffic control.

## KEY FEATURES:

- Magnetic Limit Control
- Ports for plug-in Open and Reverse Loop Detectors (DKS Loop Detectors only)
- Automatic sequencing inputs for use with Slide and Swing Gate Operators
- Up Input memory buffer
- Down Memory option
- Multiple Up commands
- Two Convenience Outlets
- Gate tracker reporting output
- A Traffic Signal and/or Warning Sign is required with this System
- Programming Switches
- Built-in Power On/Off Switch
- 40:1 gear-box running in a continuous oil bath
- Barrier Arms up to 14 ft (4.26 m) available, with low ceiling Folding Arm Kit options
- Aluminum Arms available with lighted option
- Aluminum Barrier Arms available in easy-to-ship 2-piece 7 ft (2.13 m) lengths
- Wood Arms also available



### Medium Security Traffic Lanes

Maximum Barrier Arm length 14 ft (4.3 m),  
1/2 HP - 115/208/230/460/575 VAC



#### DKS Loop Logic

It's aware - even when they're not

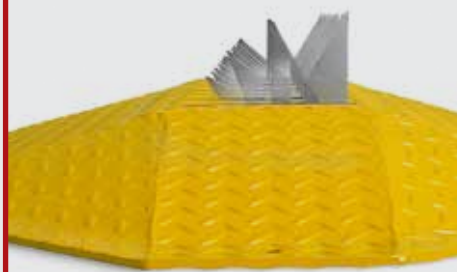


#### Drive extension safety design

Flexible shaft drive keeps Spikes operable and eliminates down time from breakage

#### Warning Sign and Signal Light

Sign warns drivers and Signal Light (red/green) is synchronized with the Barrier Arm



#### Surface Mount

Spikes install easily without trenching and double as a speed bump



#### Fan and Heater Kits

Several options for extreme weather conditions



# 1601 HIGH SECURITY LANE BARRIER

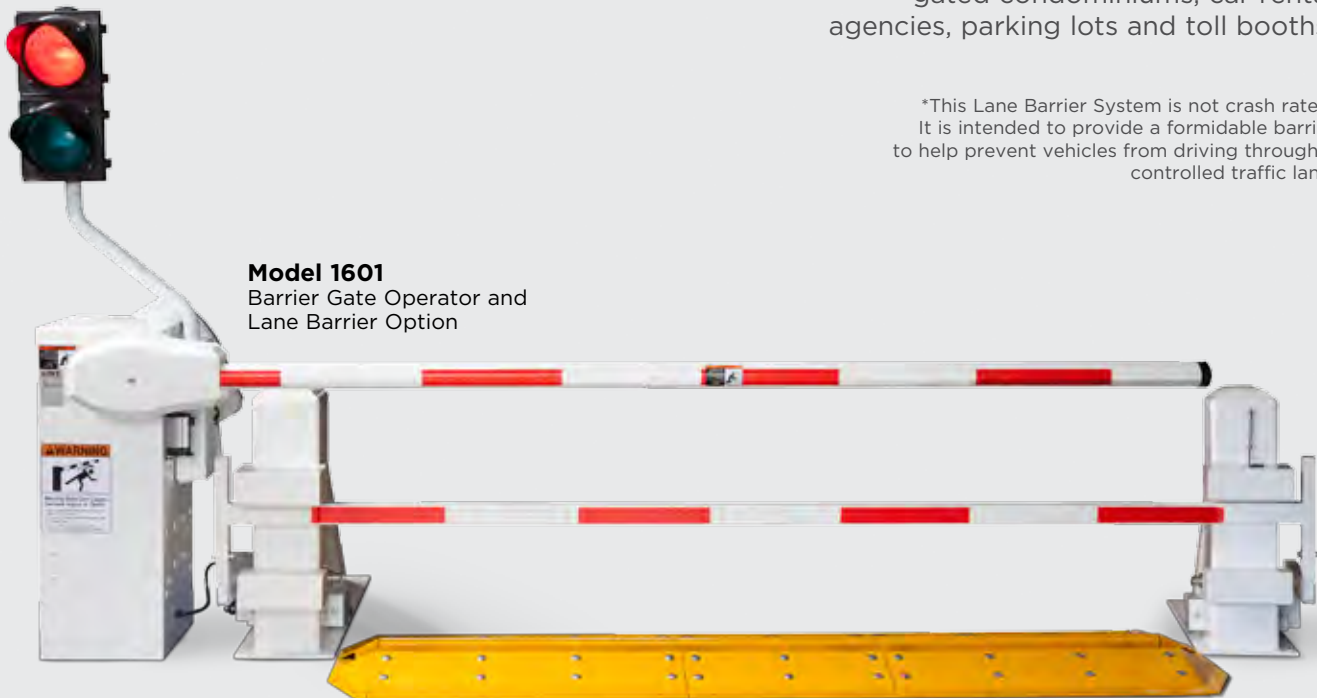
## COST SAVINGS IF YOU DON'T NEED A CRASH SYSTEM

### Surface Mount Lane Barrier Accessory\*

The DKS Lane Barrier Accessory System is an easy add-on to the popular 1601 Barrier Gate Operator.

The Lane Barrier is ideal in applications where a higher degree of vehicle traffic control is desired, but without the expense of bollards, wedges or crash beams – making it ideal for apartment communities, gated condominiums, car rental agencies, parking lots and toll booths.

\*This Lane Barrier System is not crash rated. It is intended to provide a formidable barrier to help prevent vehicles from driving through a controlled traffic lane.



**Model 1601**  
Barrier Gate Operator and  
Lane Barrier Option

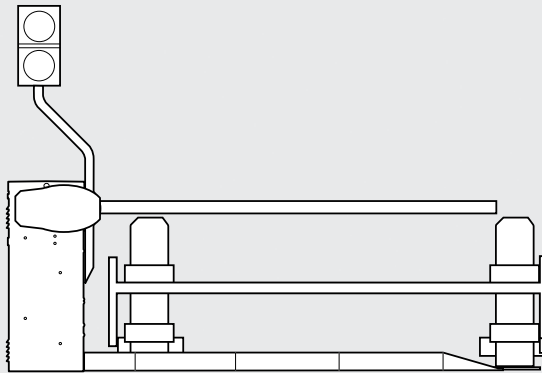




Reinforced steel helps prevent vehicle barrier runners.

## KEY FEATURES:

- Surface mount for quick, easy installation
- Integrated lighted Barrier Arm and Lane Barrier for high visibility
- Fast speed - raises and lowers in less than 2 seconds
- Simple mechanical linkage to DKS 1601 Barrier Gate Operator keeps Barrier Arm and Lane Barrier in sync - no separate motors or hydraulic valves to worry about
- Available for lane widths of 9, 10, 12 and 14 ft (2.74, 3.0, 3.66, 4.27 m)
- System includes red/green Traffic Control Signal, and Type B1 Entrapment Prevention Photo Eye
- Installs for thousands of dollars less than crash rated systems



### High Security Traffic Lanes

Maximum lane width 14 ft (4.3 m),  
1/2 HP - 115/230/460 VAC



**Add-on**  
Adapts to the existing  
DKS 1601 Operator



**Steel Barrier Arm**  
Rotates into Surface Mount  
Speed Bump for easy  
vehicle entrance

**Heavy-Duty**  
Steel posts



**Lighted Arms**  
For added  
visibility & safety



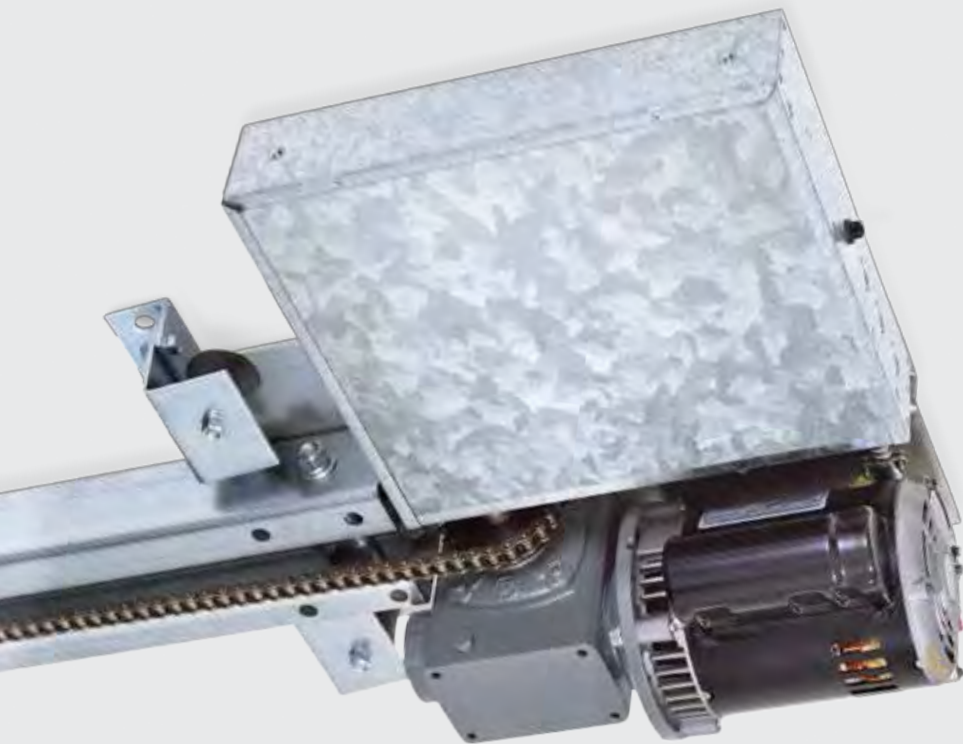
**Ideal**  
For parking and  
car rental lots,  
apartments, etc.



# 1175

# OVERHEAD DOOR/GATE OPERATOR

## INDUSTRIAL STRENGTH PARKING STRUCTURE LOW PROFILE



**Model 1175**  
Overhead Operator

The DKS 1175 Overhead Gate Operator is designed for high traffic underground parking applications serving gated communities, apartment complexes, commercial buildings and industrial sites. An optional cover is available. This Operator is not designed for residential applications and should never be used to operate overhead sectional garage doors.



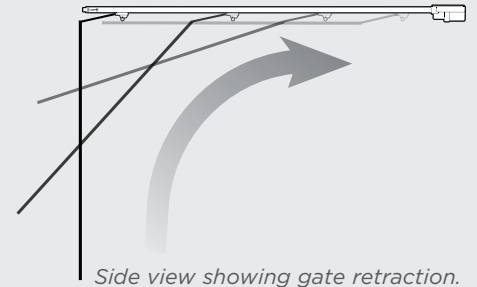
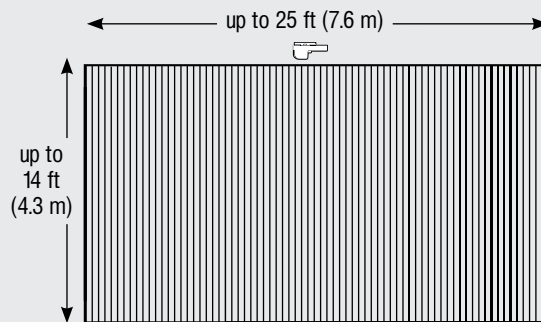
The solid steel frame and belt-driven gear box make this Operator one of the quietest in the market today (shown with optional cover).

## KEY FEATURES:

- Low profile (only 9.25 inches - 23.5 cm) design makes the 1175 ideal for low clearance underground parking areas
- Advanced Microprocessor Control Board
- Ports for plug-in Open and Reverse Loop Detectors (DKS Loop Detectors only)
- Selectable Loop Function (stop or reverse)
- Auto-close timer 1-23 sec. Timer Override feature helps prevent tailgating
- Gate Tracker Reporting output
- Built-in Power Switch
- External Obstruction Sensing Devices must be used with these Operators
- Direct Driven Limit Nuts for precise gate control
- Available with or without cover

### Medium Gates

Swing gates up to 25 ft (7.6 m),  
2000 lb (907 kg)  
1/2 and 1 HP -  
115/208/230/460 VAC



Side view showing gate retraction.



### Plug-in Loop Detectors

Simplify wiring and make installation easy



### Direct Drive Limit Switches

Easily adjustable, no need to reset after power outage

### Keyed Manual Release

For heavy-duty trolley in case of power failure



### Shock Mounts

Greatly reduce noise & vibration



### Low Profile

For low-clearance underground parking





# TRAFFIC CONTROL ACCESSORIES



## 1610 WARNING SIGNS & SIGNAL LIGHT

Warning Signs and Traffic Signals are used with Traffic Control Spikes and Auto-Spikes to inform drivers that a one-way lane condition exists and that proceeding in the wrong direction - or before the Spikes are fully retracted - will result in severe tire damage.

Warning Signs and/or Traffic Signals must always be used in any traffic control application utilizing Traffic Control Spikes.

### KEY FEATURES:

#### Warning Signs

- Warning Sign includes Automatic Light Sensor
- 2 T8 LED bulbs, 20 watt, 700 lumens
- Floodlight LED 9 watt, 655 lumens
- Mounts on 3.5" (88.9 mm) post

#### Signal Light

- Red/Green Traffic Signal can be synchronized with most Vehicular Gate and Barrier Gate Operators
- Large 8" (203.2 mm) red/green lenses
- LED bulbs, 10 watt, 1300 lumens



## 1610 STAND ALONE TRAFFIC SPIKES

Traffic Control Spikes are ideal for controlling traffic direction and speed through a controlled entry location. Traffic Spikes prevent vehicles from proceeding through a traffic lane in the wrong direction by enforcing one-way traffic lanes. Speed bumps force drivers to slow down while driving through the controlled entry point. They are also ideal for keeping vehicular traffic at a safe speed while driving over Traffic Spikes.

Warning Sign must be installed with all Traffic Spikes.

### KEY FEATURES:

#### Flush Mount

- Spring-loaded or counterweight (non-spring) models available
- Each Spike is independently spring-loaded or weighted
- Available in 6' (1.82 m) sections

#### Surface Mount

- Modular System can accommodate any traffic lane width
- Spikes are ganged 3 and 4 Spikes together
- Lock down allows for temporary two-way traffic
- Spikes are available in 3 ft (0.91 m) sections

#### Speed Bump

- Solid composite material provides a long service life



Surface Mount



Flush Mount



Speed Bumps

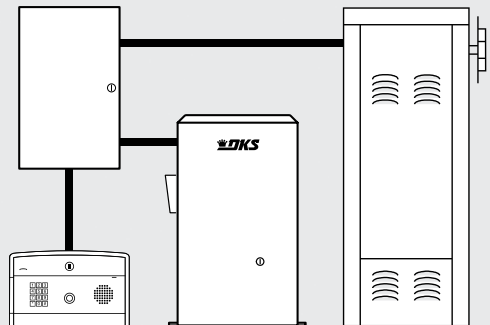
# 1000 POWER INVERTER & BACK UP



Model 1000

## NO POWER NO PROBLEM

The Model 1000 Power Inverter provides backup power for a single-gated Access Control System when primary AC power fails. Maintain a fully operational Access Control System during power outages and brown-outs. Ideal for residential and commercial applications with a single-gate system.



Model 1000 can run your Access Control system during power outages.



Backup power for a single-gated Access Control System when primary AC power fails.

## KEY FEATURES:

- Can back up the whole Access Control System
- For use with 1/2 HP, or less, Gate Operators (not for use with DKS Actuators)
- Battery charger during normal operation
- Converts 12 VDC power to 120 VAC output voltage
- Cabinet contains room for two 35 Ah Sealed Lead Acid (SLA) batteries
- Low Battery Alarm
- Two models to choose from: pure sine wave, or modified sine wave