

1601 / 1602

BARRIER GATE OPERATORS



PARKING CONTROL BARRIER OPTIONS THAT FIT ANY APPLICATION

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.

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. The heavy-duty harmonic arm linkage assures smooth and accurate arm travel of 90° in approximately 5 seconds

These operators are designed so that they can be mounted on either the left or right hand side of the roadway. The operators can be equipped with a DC convenience open package (optional) that will automatically raise the arm in the event of a power outage

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
- > Built-in power On/Off switch
- > Left or right hand mount
- > Fan/Heater Kits
- > Gate Tracker reporting output

Model 1601

- > Single lane (14 ft. max) vehicular traffic control
- > High traffic commercial and industrial applications
- > 1/2 HP continuous-duty motor
- > 40:1 gear-box running in a continuous oil bath
- > Arm rotates 90° in approximately 1.5 seconds
- > 360° gear box rotation

Model 1602

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

Designed for the following applications:

Self Storage | Gated Communities | Parking | Condominium/Resident Hall | Mixed Use | Commercial

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



Several Barrier Gate Arm Options



1603 BARRIER GATE AUTO SPIKE SYSTEM



Model 1603

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, transfer box (transfer box is factory installed to the 1603 operator), tunnel section(s) as needed, spike section(s) as needed, end cap. A traffic signal and/or warning sign is required with this system. Contact your professional DKS system installer, or DoorKing, for more information on complete system requirements.

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
- > Left or right hand mount
- > Fan/Heater Kits
- > Gate Tracker reporting output
- > Spike sections are available in 3 & 6 foot lengths
- > Tunnel sections are available in 2 & 3 foot lengths
- > Optional signal light (red/green) is synchronized with the barrier arm
- > Optional warning sign warns drivers to proceed only when spikes are retracted
- > 1/2 HP continuous-duty motor.
- > 40:1 gear-box running in a continuous oil bath.
- > Arm rotates 90° in approximately 1.5 seconds.

Designed for the following applications:

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Maximum Security | Commercial | Parking

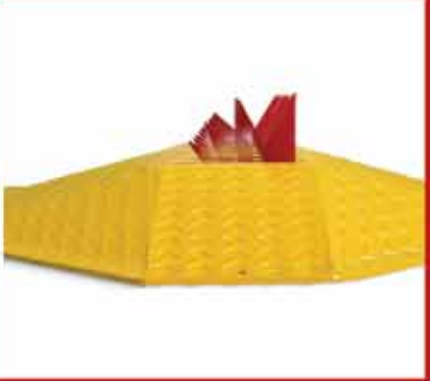
Model	Usage		Cycle Time	Barrier Arm			Notes
	High Use Commercial	Limited Use Industrial		Length	Type	Low Ceiling	
1603	✓	✓	90° 1.5 Sec	14 Ft.	Aluminum	Folding arm kit option available.	Sequenced Spike Operation Yes
				14 Ft.	Wood	Folding arm kit option available.	



Modular System Easy to Install



Surface Mount



1600 WARNING SIGN & SIGNAL LIGHT



AUTOMATE VEHICLE TRAFFIC AND PREVENT DAMAGE

Warning signs and traffic signals are used with traffic control spikes and auto-spikes to inform drivers that a one way lane condition exist 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 should always be used in any traffic control application utilizing traffic control spikes.

Automatic Light Sensor



Key Features:

Warning Sign

- > Warning sign includes automatic light sensor
- > Two 20-watt fluorescent bulbs
- > Flood lamp to illuminate spikes
- > Mounts on 3" post

Signal Light

- > Red/Green traffic signal can be synchronized with most vehicular gate and barrier gate operators
- > Large 8" red/green lenses
- > 8000 hour bulbs

Synchronizes



Designed for the following applications:

1610 STAND ALONE TRAFFIC SPIKES

STAND ALONE TRAFFIC SPIKES ABOVE & IN-GROUND

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.



Surface Mount



Flush Mount



Speed Bumps



**Control
Traffic
Direction**

**Weighted
or Spring
Loaded**



Designed for the following applications:

Maximum Security | Commercial | Parking

1000/2000

POWER INVERTER & BACK UP



Model 1000

NO POWER NO PROBLEM

The DKS 2000 power inverter provides backup power for a complete vehicular access control system when primary (AC) power fails. The model 2000 can maintain operation for up to six (6) gated entry systems. Unlike other backup systems which are designed to power a single gate operator only, the Model 2000 maintains power to all access control system components.

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 residential and commercial applications with a single gate system.

Key Features:

Model 1000

- > 12.5 Amp maximum output
- > Two models to choose from: 1000 and 1500 Watt models
- > Modified sine wave output
- > Battery charger during normal operation
- > 120 VAC output voltage
- > 21"H x 13"W x 8"D
- > Single battery included
- > Cabinet contains room for two (2) 35 Ah Sealed Lead Acid (SLA) batteries
- > Low battery alarm

Model 2000

- > Six branch circuits
- > 30 Amp maximum output
- > Three models to choose from: 1500, 2400 and 3600 Watt models
- > Modified sine wave output
- > RMS voltage regulation
- > Three stage battery charging
- > Over-discharge protection
- > 32-millisecond transfer time from charger to inverter mode
- > 120 VAC output voltage
- > Temperature compensation
- > 41.25"H x 16.75"W x 15.25"D
- > Cabinet contains room for two (2) deep cycle batteries (not included)

Designed for the following applications:

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Self Storage

Apartment Complex/
Gated Communities

Residential

Parking

Apartment/
College Residents Halls

Mixed Use
Buildings

Commercial/
Industrial



Model 2000



**Three-stage
Battery
Charger**



**Electronic
Control Circuit
Monitors
Battery
Voltage**

