

# Automated Traffic Control

From the Company that Created the Concept



- ▲ **Improve Revenue Generation**
- ▲ **Upgrade Facility, Vehicle & Inventory Security**
- ▲ **Useful for Residential, Commercial & Industrial**
- ▲ **Limit Access to Critical Areas**
- ▲ **Control Staff Access**

If you need to automatically control vehicle access into and out of your establishment—whether a parking or car storage lot, rental agency, airport, government building, manufacturing facility, high rise or any location where theft or fee-avoidance is an issue—come to Delta Scientific, the company that also secures military bases, embassies and high profile facilities with anti-terrorist vehicle control equipment. After all, we started our company making the traffic control systems you need...and have been doing so for over four decades.

Here's a quick overview of Delta Scientific's automated traffic control systems. More information is available on our website or by contacting Delta directly.



UK Embassy, Budapest



Singapore Sports Hub

## Parking Lot Barricades Help Stop Thefts & Promote Revenue Collections

Delta manufactures parking lot barricades that are used throughout the world.

### DSC1400 Series Barricades

This Quick Install Surface Mounted Barricade is designed for parking structures as an anti-theft device. Its clean, simple design—available in electro hydraulic or electro-mechanical configurations—is built to withstand a K4 impact. The DSC1400 is a rugged and simple solution to enhance the security of parking structures and car parks.



The programmable, electromechanical DSC1450 is a surface mounted vehicle barricade that consists of four components—two buttresses, a road plate and hinge plate. This design provides easy shipment, handling and installation.

The barrier components are lag-bolted in place to existing concrete surfaces such as parking structures and parking lots to be used as an anti-theft and/or traffic control device. The barricade features a self-contained programmable electromechanical drive system, controls and an integral barrier arm. Typical installation is four hours or less.

## Delta Scientific— The Company that Created the Concept of Automated Traffic Control

Over four decades ago, Delta Scientific received a call from a hotel that wanted to easily restrict vehicles coming in and out of their property. Hence was born the term “automated traffic control.” Seeing the new product, other hotels also wanted it. Other organizations called, wanting something like it but with a twist—and so on and so on. And, thus was born a full line of automated traffic control products. Since then, no company has created and delivered more vehicle control perimeter protection solutions to more locations than Delta Scientific.



Buckingham Palace



Los Angeles International Airport



US Embassy, Yemen

### DSC305 Fixed Bollard Modules

The Model DSC305-PE Automatic Retractable Bollard System (“DSC305”) provides positive control of automobiles and trucks in and out of restricted areas. Precision steel bollards are raised and lowered by a quiet pneumatic source. These bollards are also used as a primary bulwark against unauthorized or wayward vehicles and to stop aggravated or accidental vehicle attacks.



Originally designed to protect against terrorist attack, the DS305 is configured to stop and destroy heavy trucks and high-speed passenger cars. The DSC305 can be used as a stand-alone controller for single lane traffic or it can be arrayed to control multiple lanes of bi-directional traffic.

DSC305’s under remote ‘lock down’ are used to protect parked vehicles or prevent movement of passenger cars, trucks, wheeled industrial rigs or trailers. Warehouse doors backed up with a DSC305 makes large vehicle traffic nearly impossible. Individual reserved VIP parking spaces can be control either remotely or by the authorized vehicle driver.

When used in conjunction with a decorative pedestrian gate or a guard operated drop arm gate, the DSC305 offer protections against gate runners by remaining in the guard position until the guard approves the visitor.

An option to consider is a DSC305 System with bollards arrayed as a Sally Port which can practically eliminate tail-gating vehicles. The DSC305 bollard was designed using Delta’s all weather, pneumatic power system, the most cost-effective and environmentally friendly means of operating a bollard system.

## 17,000 Systems Deployed Around the World

From stopping a bomb-laden car and SUV from penetrating the entrances to the U.S. consulate in Herat, Afghanistan in September of 2013 to protecting dams, border crossings, courthouses, embassies, presidential libraries and many other important facilities, Delta’s bollards, barricades, beams, barriers, gates and guard booths have helped keep people and property safe in over 130 countries throughout the world since 1974.



Penn State

# Parking Control Gates Meet Broad Range of Vehicle Control & Parking Applications

Delta gates are designed and built to the highest standards of quality and performance. You can interface your Delta parking gate with revenue systems, vehicle identification systems, card readers, remote control stations and buried detectors. Delta manufactures five types of parking control gates.

## AG812 All Purpose Gate

The AG812 Vehicle Access Gate is an all-purpose semaphore type parking control gate for use with wood or aluminum gate arms. It is designed and configured to meet a broad range of vehicle control and parking needs.

The drive train, the control logic module and the cabinet are built to withstand heavy industrial traffic and parking control requirements. Additionally, they include an interface with revenue systems, vehicle identification systems, card readers, remote control stations and buried detectors. The AG812 provides a 100% duty cycle.



## SG1420 Similar to AG812 but Handles Longer Arms

The SG1420 is a 14 to 20 foot (4.3 m to 6.1 m) double reduction drive gate. The drive train, the control logic module and the cabinet are built to withstand heavy industrial traffic and parking control requirements.

Additionally, they include an interface with revenue systems, vehicle identification systems, card readers, remote control stations and buried detectors. Thus, this gate has all of the features of the AG812 but handles longer arms. It provides a 100% duty cycle.

Options	Model AG812	Model SG1420
Available in 120V or 220V	▲	▲
Dart / Edge Switch (Available Option)	▲	▲
Heater (Available Option)	▲	▲
Arm Length 8' (Wood or Aluminum)	▲	
Arm Length 10' (Wood or Aluminum)	▲	
Arm Length 10' (Wood Folding Gate)	▲	
Arm Length 12' (Wood or Aluminum)	▲	
Arm Length 14' (Wood or Aluminum)		▲
Arm Length 16' (Wood or Aluminum)		▲
Arm Length 16' (Aluminum Folding Gate)		▲
Arm Length 18' (Wood or Aluminum)		▲
Arm Length 20' (Aluminum)		▲

# STOP

## BB10M High Security, Heavy Duty

The Model BB10M Hydraulic Barrier Gate is a high security, heavy-duty gate capable of protecting roadways up to 33 feet (10 m) in width. It is designed and used for traffic control and security applications where the control and restraint of vehicles is imperative.

The BB10M is capable of sustained operations across a wide spectrum of weather and environmental conditions.



## MG137/MG139 Manual Operation

The MG137 and MG139 Manual Gates are designed for security applications where the frequency of use does not require an automatic barrier, yet a chain or swing gate is impractical or unsightly. The MG137 features a 2-inch square steel arm while the MG139 features a 3.5-inch round arm.

The MG137 can be used for drives up to 15 feet and the MG139 can be used for drives up to 22 feet. Both can be installed with minimum equipment. When down and locked, they provide a positive restraint to vehicular traffic.

## MG215 Swing Gate

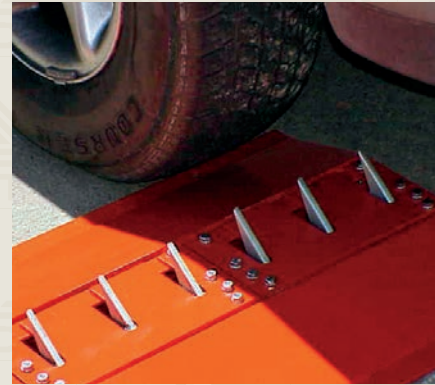
The MG215 is a manual swing gate that is available in widths ranging from 12 to 25 feet (3.6 m to 7.6 m). It is supplied with the hinge and latching post. It is a robust design that will last for years. The latch consists of a simple cross pin that is pad locked into place. As an option, a tamper shield can be provided to protect specific styles of pad locks. The finish is epoxy primer and enamel safety yellow paint.



Model	Hydraulic	Manual	Length	Arm
BB10M	▲		12' to 33'	3.5" (Round)
MG137		▲	10' to 15'	2" (Square)
MG139		▲	12' to 22'	3.5" (Round)
MG215		▲	12' to 25'	NA

# Sabre Tooth Traffic Controllers Cut "Wrong-Way" Exits

Sabre Tooth Traffic Controllers enforce "One Way" traffic flow for parking facilities or other single direction vehicle lanes. The tension spring actuated sabre teeth positively control traffic in one direction while permitting free flow in the other direction. The Sabre Tooth will puncture all pneumatic tires including steel belted radial and large truck tires.



## TC8 Surface Mounted Sabre Tooth Traffic Controller

The TC8 mounts to an existing drive or ramp (concrete or asphalt) with bolts or epoxy to eliminate excavation and drainage problems. By installing units end-to-end, any width driveway can be controlled.

- ▲ Surface Mount for Rapid Installation & Speed Bump Effect
- ▲ Mount to Existing Drive Way (Asphalt or Cement) with Bolts or Epoxy
- ▲ No Excavation or Cutting Required
- ▲ 9 Electroplated Sabre Teeth in 3 Tooth Replaceable Modules
- ▲ Long Life Stainless Steel Torsion Springs
- ▲ Body: Alert Red, Teeth: Zinc Plated
- ▲ All Welded Steel Frame
- ▲ Available in Latch Down Version

## TC12 Shallow Frame Sabre Tooth Traffic Controller Flush Mount

- ▲ 6 Tooth Modules (12 inches long)
- ▲ Long Life Torsion Springs
- ▲ All Welded Steel Frame with Reinforcing Bar Runner on each side of body for pull strength
- ▲ Top Plate: Alert Red, Teeth: Zinc Plated
- ▲ Latch Down Mechanism Available

## TC14 Flush Mounted Sabre Tooth Traffic Controller

- ▲ Standard Sabre Tooth Controller "The Industry Standard"
- ▲ Flush Mount Installation
- ▲ 20 Electroplated Teeth made from 3/8 inch steel plate
- ▲ Long Life Torsion Springs
- ▲ All Welded Steel Frame
- ▲ Top Plate: Alert Red, Teeth: Zinc Plated
- ▲ Available in Latch Down Version

## TC20 Non-Penetrating Flush Mount Sabre Tooth Traffic Controller

- ▲ Long Life Torsion Springs
- ▲ All Welded Steel Frame
- ▲ Top Plate: Alert Red, Barrier Plates: Zinc Plated

## TC22 Non-Penetrating Surface Mounted Sabre Tooth Traffic Controller

Similar to the TC8, the TC22 is designed to mount to an existing drive or ramp (concrete or asphalt) with bolts or epoxy to eliminate excavation and drainage problems. The TC22 has non penetrating barrier plates allowing for pedestrian traffic.

- ▲ 3 Removable & Reversible 3 Tooth Modules (12 inches long)
- ▲ Long Life Torsion Springs
- ▲ Top Plate: Alert Red, Barrier Plates: Zinc Plated
- ▲ All Welded Steel Frame
- ▲ Latch Down Mechanism Available
- ▲ Galvanized Available

## TC28 Flush Mounted Sabre Tooth Traffic Controller for Heavy Industrial Traffic

The TC28 is designed to handle extra heavy industrial traffic. Locations where axle loading exceeds known highway specifications are easily handled by the TC28. The unique design of the Tandem Tooth incorporates extra strength axles, top plates, frame supports and anchor tabs.

- ▲ Allowable Load 40,000 Pounds
- ▲ Long Life Torsion Springs
- ▲ All Welded Steel Frame
- ▲ Flush Installation (recessed bolts)
- ▲ Frame Epoxy Undercoated
- ▲ Top Plate: Alert Red Teeth: Zinc Plated
- ▲ Latch Down Mechanism Available
- ▲ Galvanized Available



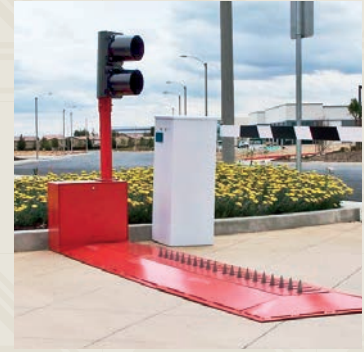
### Specifications & Options

### Models

	TC8	TC12	TC14	TC20	TC20	TC28
Length	36"	72"	36" or 72"	72"	36"	36" or 72"
Width	21.5"	8"	10"	10"	21.5"	10"
Weight (Approximate)	155lbs	125lbs	130lbs	146lbs	130lbs	150lbs
Latch Down Mechanism Available	▲	▲	▲	▲	▲	▲
Surface Mounted	▲			▲	▲	
Flush Mount		▲	▲	▲		▲
Galvanized Available	▲	▲	▲	▲	▲	▲
Heavy Duty			▲			▲
Available in 3'	▲		▲		▲	▲
Available in 6'		▲	▲	▲		▲

# Motorized Traffic Controllers Raise Traffic Control Standards

Motorized Traffic Controllers provide protection against unauthorized traffic moving through a protected gate.



## MTC31 Flush or Surface Mount Traffic Controller

The MTC31 Motorized Traffic Controller features a modular design and electro-mechanical operation.

The MTC31 provides top protection against unauthorized vehicle traffic into or out of protected areas. MTC31 systems are in operation in over 5,000 locations worldwide and are providing around the clock protection for car storage lots, rental agencies, airports, government buildings or any location where theft or fee-avoidance is an issue.

The MTC31 comes in 3.0 foot (914 mm) modules that are bolted or epoxy-affixed to the surface of new or suitable existing concrete or asphalt traffic ways to provide the additional advantage of a speed bump.

Systems can be ordered to control traffic ways up to 32 feet (9.14 M) in width.

## MTC6000 Motorized Traffic Controller



The MTC6000 Motorized Traffic Controller features a modular design, electro-mechanical operation and pedestrian friendly control teeth.

The MTC6000 system is designed to control authorized traffic flow on a day-in-day-out basis yet will severely damage or deflate the tires of an unauthorized vehicle, even the new generation of steel belted tires. The MTC6000 system was created for use at car rental agencies, public buildings, airports or high vandalism locations where car theft or fee evasion is of concern.

The Control Teeth of the MTC6000 are made from high tensile steel with points encased in specially formulated molded caps that break away under the impact and load of a motor vehicle, yet provide protection to a hapless pedestrian that might fall or bump against the unit. The "Pedestrian Friendly" Sabre Tooth Control Teeth are rotated into position by a highly reliable electro-mechanical system in less than 1.5 seconds.

The MTC6000 comes in 3 feet (914 mm) modules and can be configured to control traffic ways up to 32 feet (9.14 M) in width.

Two versions are available:

- ▲ MTC6000 Flush Mount Motorized Traffic Controller
- ▲ MTC6000 Surface Mount Motorized Traffic Controller

**For more information on Traffic Control Systems, visit our website or contact Delta directly.**

**Complete design, installation & consulting services are available worldwide.**