

TRAFFIC MASTER

AUTOMATIC INDUSTRIAL VEHICLE BARRIER



- **The TRAFFIC MASTER is the preferred solution for vehicular access control**
- **Designed for ultra-reliable performance**
- **Exported worldwide**

APPLICATIONS	<ul style="list-style-type: none"> • Suited for applications requiring high volume access and medium levels of security • Used extensively in applications such as parkades, shopping malls, residential estates, office parks, factories, warehouses and mines
DESIGNED FOR	<ul style="list-style-type: none"> • Interior and exterior installations • Severe operating conditions
AVAILABLE CONFIGURATIONS	<ul style="list-style-type: none"> • Barrier Arm Lengths: 8'2.4" (2.5m), 9'10" (3m), 11'6" (3.5m), 13'1.5" (4m), 14'9" (4.5m), 16'5" (5m), 18' (5.5m) and 19'8" (6m) • Round or Octagonal powder coated aluminum barrier arm

Unique features of the TRAFFIC MASTER Automatic Industrial Vehicle Barrier

XTRALIFE® MECHANISM

- CE certified
- Ultra-heavy duty electromechanical mechanism
- Designed by professional engineers
- Tried, tested and perfected over a period of more than 20 years

RELIABLE - TECHNOLOGY

- 100% duty geared torque motor – consistent & long lasting operation
- Double buffered mechanism lowers mechanical stress which means longer operational life
- Heavy duty deep groove ball bearings
- Tension spring counterweight system with self lubricating plastic bush
- Microprocessor combined logic and detector

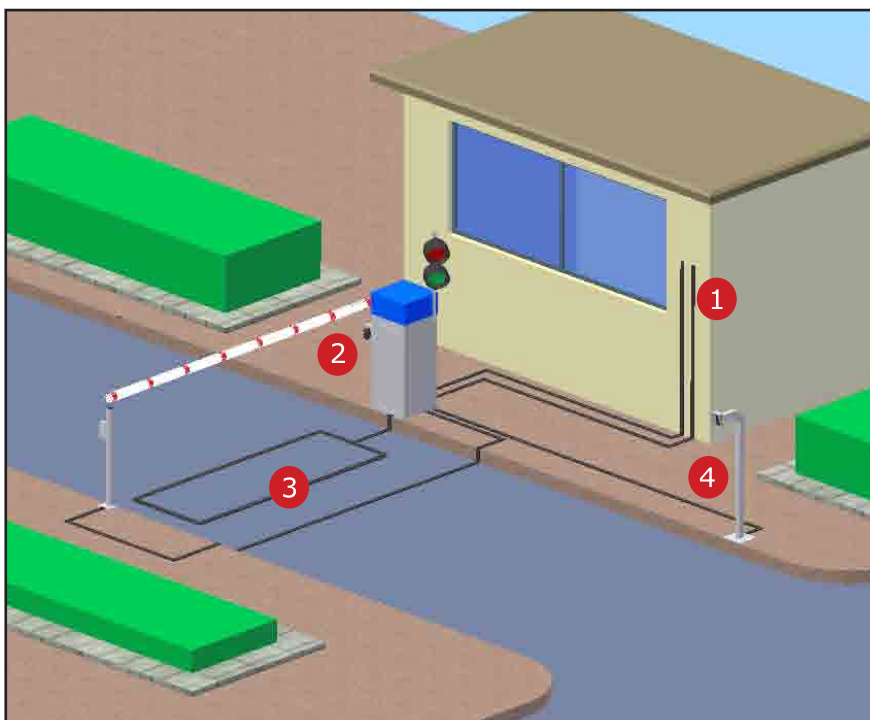
DURABLE - FEATURES

- Motor and gearbox housed in fully sealed, protective aluminium housing
- Mechanism plate and adaptor arm zinc plated for corrosion resistance
- Cabinet manufactured from corrosion resistant steel and powder coated (if required)
- Factory settings need no further adjustment
- Designed for the harshest of conditions
- Unaffected by dust, dirt and moisture

GUARANTEED - MANUFACTURED TO LAST

- 12 month mechanical guarantee

TYPICAL INSTALLATION OF A TRAFFIC MASTER AUTOMATIC INDUSTRIAL VEHICLE BARRIER



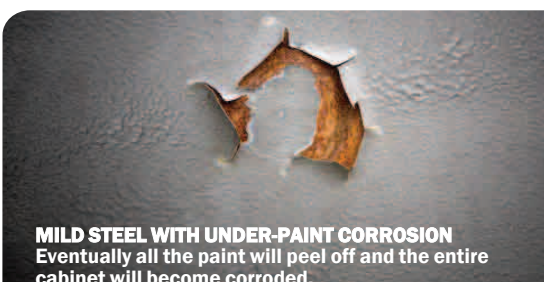
1. Power and data connections
2. Infrared beam detector
3. Safety / Closing loop in the roadway
4. Car gooseneck with rain cover

Technical Specifications

POWER	220 Volt AC		
FREQUENCY	50Hz		
POWER CONSUMPTION	80W		
CABINET WEIGHT	112 Lbs (51kg) excluding barrier arm		
BARRIER ARM WEIGHT	2 Lbs. (0.9kg) per metre		
POWER FAILURE OPERATION	Barrier arm automatically raises to 85° until power is restored		
SYSTEMS INTEGRATION	<ul style="list-style-type: none"> Integrates with all access control and time & attendance systems Triggered through a normally open dry contact 		
OPERATING CYCLE TIME	Barrier arm length	Raise (seconds)	Lower (seconds)
	9'10" (3m)	2.2	2.4
	13'1.5" (4m)	3.2	3.3
	16'5" (5m)	3.3	3.4
	19'8" (6m)	3.4	3.4
INSTALLATION REQUIREMENTS	Concrete base of 19.5" x 19.5" x 18" deep (500 x 500 x 450mm deep) at 20MPA. Requirements may vary depending on ground conditions.		

Manufacturing Options

BARRIER ARM OPTIONS	<ul style="list-style-type: none"> Round barrier arm 3" (76.2mm) OD, .098" (2.5mm) wall thickness - with red reflective stripes Octagonal barrier arm 90mm x 46mm, 1.5mm wall thickness - with red reflective stripes
LOGIC CONTROLLER OPTIONS	<ul style="list-style-type: none"> Combined logic and loop detector (once connected to a loop, it can be connected to an IR beam detector as well) Combined logic and IR beam detector Loop detector only Push-to-open, push-to-close latching control panel Selector switch relay control panel
SAFETY ACCESSORIES	<ul style="list-style-type: none"> 1.5mm² single flex wire for the loop installation: 328' (100m) roll IR beam transmitter and receiver / reflector
ACCESSORIES	<ul style="list-style-type: none"> Traffic robot (incandescent light bulb type) Traffic robot (LED type) Single or double pushbutton in plastic housing One button or three button remote control transmitter and receiver Card drop box (patent pending design) Reader and camera mounting boxes and posts (to customer specifications) Multiple coin acceptor for pay-for-entry systems LCD transaction counter with reset keyswitch
GOOSENECK OPTIONS	<ul style="list-style-type: none"> Car gooseneck with base plate and front mounting plate (1 100mm high) Car / Truck gooseneck with base plate and front mounting plates (1 100mm and 1 830mm high) Raincovers manufactured to customer specific requirements
BARRIER ARM MOUNTING	<ul style="list-style-type: none"> Left handed (factory standard) Right handed
BARRIER ARM ACCESSORIES	<ul style="list-style-type: none"> Articulated arm kit (jack-knife) for round and octagonal barrier arms - for low height clearance installation Folding aluminum skirt Break-away arm for octagonal barrier arm (microswitch can be added for alarm trigger)
FINISH OPTIONS	<ul style="list-style-type: none"> 3Cr12 stainless steel with UV resistant exterior powder coat finish (white bottom with blue top) ▲ 304 grade brushed stainless steel 316 grade brushed stainless steel ■
	<ul style="list-style-type: none"> ▲ other colours available on request ■ suitable for corrosive environments (details available on request)



MILD STEEL WITH UNDER-PAINT CORROSION
Eventually all the paint will peel off and the entire cabinet will become corroded.

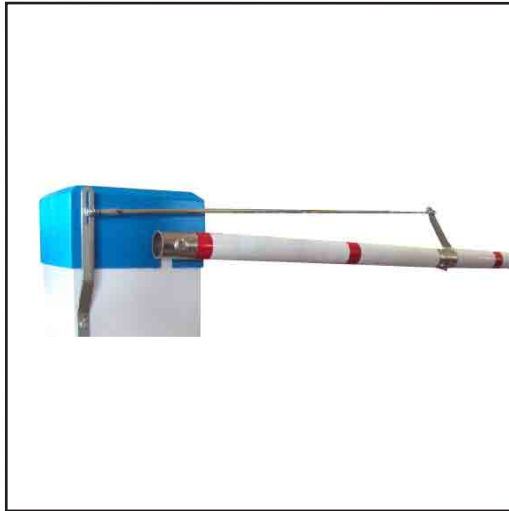
3Cr12 vs Mild Steel

All standard vehicle barrier cabinets are manufactured from powder coated 3Cr12 stainless steel. 3Cr12 stainless steel is a superior alternative to coated mild steel and atmospheric corrosion testing of 3Cr12 stainless steel has found an improvement of up to 250 times the life of unpainted carbon steel in marine environments. 3Cr12 also minimizes under-paint corrosion which can leave you with an eyesore at the entrance to your parking area. **Beware of mild steel cabinets sold by lesser manufacturers.**

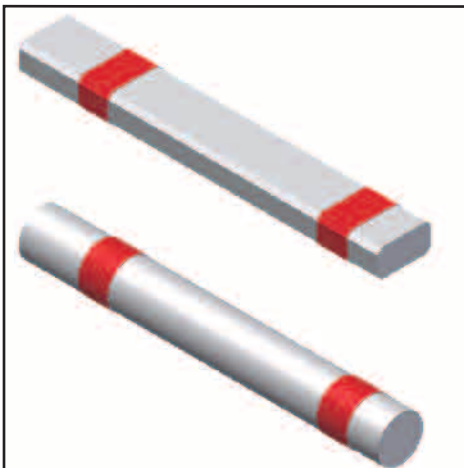
Options



304 GRADE BRUSHED STAINLESS STEEL CABINET



ARTICULATED ARM



ROUND AND OCTAGONAL BARRIER ARMS



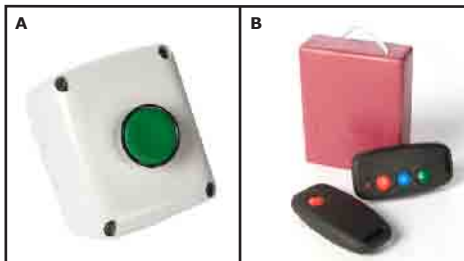
TRAFFIC ROBOT



CAR GOOSENECK



CAR / TRUCK GOOSENECK



A. SINGLE PUSHBUTTON IN PLASTIC BOX
B. REMOTE CONTROL TRANSMITTERS AND RECEIVER



IR BEAM TRANSMITTER AND RECEIVER

