

TRAFFIC MASTER

AUTOMATIC INDUSTRIAL VEHICLE BARRIER



- The TRAFFIC MASTER is Africa's preferred solution for vehicular access control
- Designed for ultra-reliable performance
- Exported worldwide

APPLICATIONS

- 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

- Interior and exterior installations
- Severe operating conditions

AVAILABLE CONFIGURATIONS

- With 2m, 2.5m, 3m, 3.5m, 4m, 4.5m, 5m, 5.5m and 6m barrier arm
- Round or octagonal powder coated aluminium barrier arm

SECURITY RATING



UNIQUE FEATURES OF THE TRAFFIC MASTER

XTRALIFE® MECHANISM

- CE certified
- Ultra heavy-duty electromechanical rotation locking mechanism
- Designed by professional engineers
- Tried, tested and perfected over a period of over 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

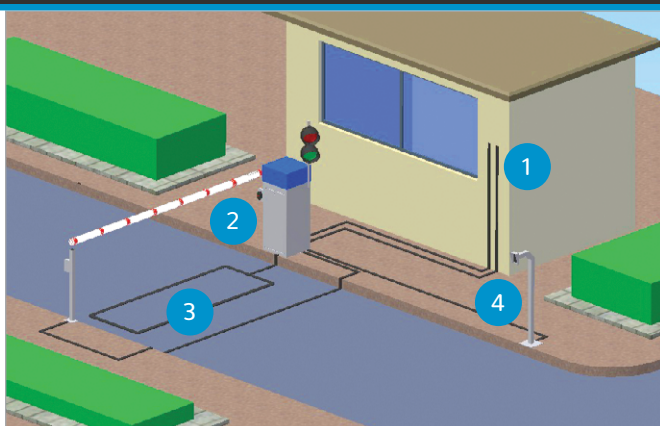
DURABLE FEATURES

- 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

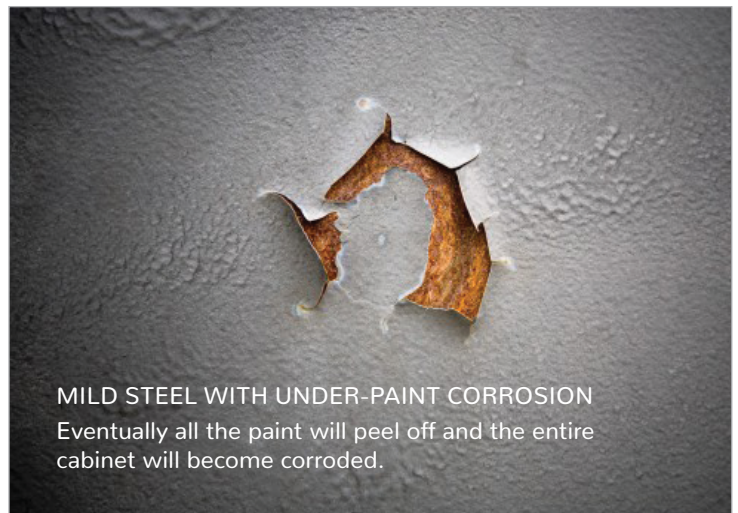
GUARANTEED MANUFACTURED TO LAST

- 12 month mechanical & electrical guarantee

TYPICAL INSTALLATION



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



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

3CR12 VS MILD STEEL

Turnstar has chosen to manufacture all standard vehicle barrier cabinets 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 minimises 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.

TECHNICAL SPECIFICATIONS

POWER	220 Volt AC		
FREQUENCY	50Hz		
POWER CONSUMPTION	80W		
CABINET WEIGHT	51kg (excluding barrier arm)		
BARRIER ARM WEIGHT	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 will all access control and time & attendance systems Triggered through a normally open dry contact 		
OPERATING CYCLE TIME	Barrier arm length	Raise (seconds)	Lower (seconds)
	3m	2.2	2.4
	4m	3.2	3.3
	5m	3.3	3.4
	6m	3.4	3.4
INSTALLATION REQUIREMENTS	Concrete base of 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 76.2mm outside diameter, 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 (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 aluminium 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 ■ <p>▲ other colours available on request ■ suitable for corrosive environments (details available on request)</p>

TRAFFIC MASTER STAR OPTIONS

A



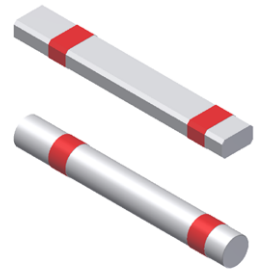
B



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



IR BEAM TRANSMITTER AND RECEIVER



ROUND AND OCTAGONAL BARRIER ARMS



CAR GOOSENECK



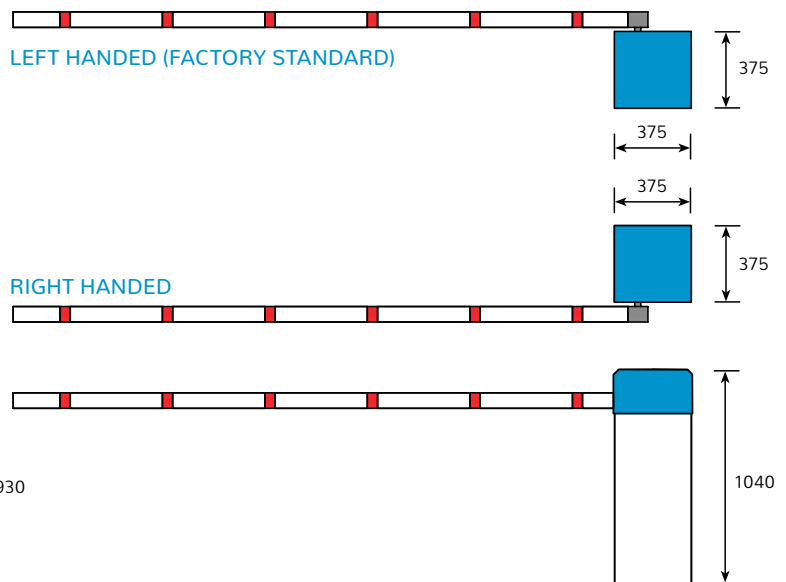
CAR / TRUCK GOOSENECK



TRAFFIC ROBOT



304 GRADE BRUSHED STAINLESS STEEL CABINET



ARTICULATED ARM

© Turnstar Systems

TURNSTAR
RELIABLE ★ DURABLE ★ GUARANTEED

info@turnstar.co.za | www.turnstar.co.za

Turnstar Systems (Pty) Ltd | Reg No: 2012/100536/07 | Established in 1990

JHB FACTORY

18 6th Street, Wynberg,
Sandton, 2090
T: +27 (0)11 786 1633
F: +27 (0)11 440 5839

CAPE BRANCH

Unit 9 Elect Park,
13 Teejay Road, Brackenfell,
Cape Town, 7560
T: +27 (0)21 981 3043

KZN BRANCH

Unit 5 - 7 Amatuli Industrial Park,
5 - 7 Eagle Road, Shaka's Head,
Umhlali, Kwazulu-Natal, 4420
T: +27 (0)32 947 0391

POSTAL ADDRESS

PO Box 41,
Highlands North,
2037



ISO 9001:2015