

AUTOMATIC BARRIER

MODEL - POWERLITE BARRIER

Description

Neptune PowerLite is a High-speed automatic electro-mechanical barrier with 100% duty cycle is especially designed for various traffic applications in businesses and organizations that want to automate the entry and exit processes in their premises and parking lots. The powerful 24VDC Brushless DC drive unit performs flawlessly even in the most demanding operating and weather conditions. Resilient automatic barrier is perfect product for parking lots, toll stations and other applications with heavy traffic.



**RELIABLE, PRACTICAL AND COST EFFECTIVE SOLUTION
TO PROVIDE 100% SECURITY TO YOUR TERRITORY**

A Complete Solution

The boom barriers we offer are not just standalone hardware, but part of a complete solution to complex access and security problems.

We Are the Manufacturers

Proudly Made in India. The biggest advantage our customers enjoy is that we are the original manufacturers of the boom barriers that we provide.

Elegant

Stands out from subsidiary products with aesthetic design on top of exceeding all industrial expectations.

Competitive Price

We offer a highly competitive price in the category of fast moving booms as well as in the solutions we provide.

Long Service Life

The reliable BLDC motor offers long life. No winding, No overheat, 12 Million open and close cycles.

Long Operating Cost

Simple maintenance and durable parts. Our boom barriers comes with product warranty* of five years. Free part replacement during away.

Easy to Install

Thanks to the adjustable anchorage system and control unit elevated position. The possibility to assemble the bar on either the right or left hand side indifferently, and to the easy balance through a linear adjustment of the spring.

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Top Features of Automatic Boom Barriers

High Bi-directional throughout on site interchangeable direction of arm reliable 24V DC BLDC motor in heavy traffic scenarios. Adjustable boom arm length (beyond 4 meter) using octagonal telescopic boom arm silent and fast. In-built encoder offers smooth & low noise operation Pre- configurable smooth movement & safety feature i.e. reverse on contact Manual release in case of power failure or emergency Weather-resistant durable body for long term use.

Advance DC brushless controller usage integrated chip drive, fast processing speed, large memory, good control effect, power full function, high degree of automation 24V low voltage power supply adapts to global voltage, safe and reliable. Power full BLDC motor technology offers low power consumption, high efficiency, no overheat, wide speed adjustment and smooth operation.

Neptune's Automatic barriers are manufactured using high quality material keeping maximum safety in mind having features of auto reverse on contact function, safety photocell kit, swing away arm mechanism, flashing light and boom LED lights. The barriers are not only efficient but also intelligent. With dual channel vehicle detector beside vehicle presence they are able to detect vehicle direction, which is extremely useful for vehicle counting. The combination of fast operation and boom length upto 7 meters make our boom barriers exceptionally versatile ideal for countless application. Balancing system with comparsion springs in special long lasting steel.

Optional Accessories



Manual Operation Switch

Manual operation switch is optionally to control barrier. When switch is on barrier arm is raised without trigerring any alarm and no other command is accepted. When switch is off barrier arm is closes and automatic operation is resumed.



Crash Detector Arm

In cases where arm is hit by a vehicle, the arm breaks away, the alarm is triggered by a proximity sensor. With this feature, both the mechanism and the barrier are saved from damage and hostile vehicles are detected.



90° Articulated Arm

For sites with height limitations, barrier arm can optionally be configured to fold with an angle of 90°, preventing any movement interference and providing ease of installation in confined areas such as underground parking lots.



180° Articulated Arm

For sites with height limitations, barrier arm can optionally be configured to fold with an angle of 180°, preventing any movement interference and allowing extra space for higher vehicles.



Flashing Light

24V DC Flashing light can be used to enhance visibility and safety during operation.



Traffic Lights

Red - Green colored, Power LED technology, 200mm diameter, delivered with galvanized post.



Loop Sensor

Loop sensor can be added either to enhance operation safety or trigger barrier movement.

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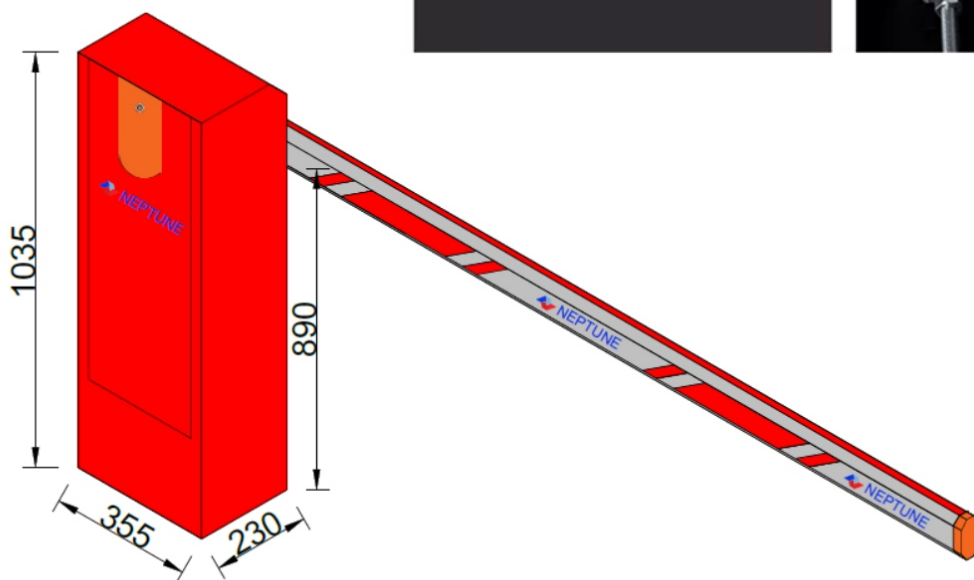
Remote Control (Wireless)

Wireless remote control system with receiver and transmitter units, with rolling code security.



Control Keyboard (Wired)

Designed for Guard rooms, control boards can be used to command barriers.



Dimensions

Boom Type	Boom Length (M)	Open Time (S)	Close Time (S)	The Height of Boom Support
LED Arm	≤3	1.8	2	890 mm
	≤4	3	3	
Telescopic Boom	≤3.5	1.8	2	
	≤4.5	3	3	
	≤6	6	6	

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Parameters

Make	Neptune
Model	PowerLite
Application	Indoor / Outdoor
Drive Motor	Electro-Mechanical DC Brushless
Type of Use	Intensive
Frequency of Use	100%
Motor Power Supply	24V DC
Absorbed Power	100 Watt
Protection Degree	IP 55 (IP 67 Operator)
Adjustable Thrust	Yes
Decelerations	Yes
Torque	180 NM
RPM	1800 RPM
Operating Voltage	AC 230V (+/-10%), 50Hz
Environment Condition	-25°C to +70°C (RH 10% - 95%)
Type of Boom Balancing	Compression Spring
The Height of Boom Support	890 MM
Encoder/Limit Switch	Available
Weight of the Unit	45 KG
Housing Dimension	355x230x1035 MM
Housing Colour	Red
Boom Arm Material	Octagonal Aluminium with Rubber protection
Certification	CE
MCBF (Mean Cycle Between Faliure)	12 Millions
Arm Length	Max. 7 mtr / Arm Kit LED (Optional)
No. of Digital Inputs	8
No. of Relays/Digital Outputs	6/4
Modular Expansion of Control System	Radio receiver and other detector modules
Maximum Remote Control Distance	Less than 30 M
Integrated and Access Control	Compatible with all kinds of access equipment Seamless integration with Neptune Parking Management System

* Terms & Conditions apply.