Sivananda Electronics

2 Wheeler Boom Barrier

For 2 Wheeler Riders

Sailient Traits

- 2 Wheeler Barrier design ensures aslant retraction of barrier arm which ensures safety as compared to conventional boom barrier.
- Prudent & luxurious design that fits with any type of prestigious parking bay
- Quick opening & closing of barrier arm for high throughput
- It comes fully Loaded with safety sensors which ensures avoidance of collision of 2-Wheeler with Barrier arm
- Mechanical & electronic locking in closed position prevents fraudulent entry
- Triggers automatic opening in event of an emergency
- Long lifecycles & low operating cost
- Comfortable passage
- It can be easily integrated with wide variety of access control system

Drive

- Brushless DC motor based drive & Sensor Controlled Passageway with automatic retractable barrier.

- Two Wheeler Barrier design consists of housing with built in control logic board (CLB). The design of the housing is made sleek and sturdy which results in less usage of space & reduced weight. A well-synchronized retracting operation of barrier arm being controlled by one control signal. Astute visual indication , this gives intuitive guidance to the pedestrian. The design ensures safe passage with aslant movement of barrier arm. With safety clearance of at least 20mm – 50mm between the barrier arm and dummy.

Visual Indication

- It is equipped with LED display with bright pictogram on the side panel for status and direction indication (standard feature).

- It supports bidirectional throughput. It ensures comfortable passage in area with high traffic & limited space

Material

- 2 Wheeler Barrier Housing comes in Matt finish & mirror finish (optional at extra cost)
- Housing is also available in Mild steel single coat black color/RAL7035 finished powder coating.
- Barrier Arm is manufactured of AISI304 Stainless steel (1.5mm) , mirror finish.

- Electrical control for both entry and exit operation are standard.
- The Unit can be activated either by authorization of an entry control system (RFID based smart card/ Biometric authentication) or/and by a by push button at the guard station

- Powerful DC Brushless motor ensuring low maintenance & lasting.
- Controller ensures for safe movement without vibrations.
- Absolute Rotary Encoder for precise positioning of barrier

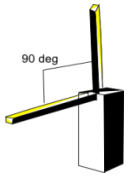
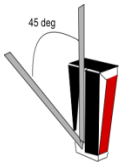
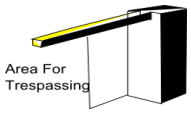
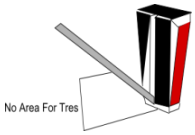
- 2 Wheeler Barrier is controlled via CLB (Control Logic Board) placed inside the RB housing. The CLB microcontroller processes the incoming commands, keeps tracks of the als from the sensors, generates commands to the control mechanism and operates external devices. The standard features are as follows:

  - Input facility for unblocking the passageway at the fire alarm command or from emergency unblocking button
  - Pre-set timeout facility
  - Single alarm relay output for connection of remote devices such as indicators, status lights, intrusion detector, sensors and sirens.
  - Relay output for complete transaction
  - Triggered to open and close by dry contacts.
  - Potential free outputs are available that can have real-time data linking with the server

Power Failure / Fire Alarm

- Two Wheeler Barrier can be configured either fail safe or fail lock mode. Internal Battery Backup is provided .In fail safe mode Barrier arm will retract inwards.
- The Barrier arm will not retract outwards till the power is restored or till emergency signal persist ,incase of emergency . Once the power is back or emergency signal stop, the barrier arm will retract outwards automatically .

Comparison Chart

Boom Barrier	Sivananda 2 Wheeler Barrier
	
Angular Distance travelled compared to conventional boom barrier is less ,ergo less time is taken to complete transaction	
	
In case of forced entry attemt person can trespass with vehicle	In case of forced entry attemt person cannot trespass with vehicle
	
In event of unforseen failure Boom will directly hit the rider head which can lead to critical injury.	In event of unforseen failure barrier arm will not hit the rider head,thus ensuring safe passage.

In Event of Tailgating alarm would notify the guard

Work To Be provided by Client

Power supply & Cables	
Access control systems & cables	
Possible masonry & Cable Trench	

Shipping List

• 2 Wheeler Barrier Housing	1 Nos
• Barrier Arm	1 Nos
• Product manual	1 Nos
• Foundation Bolts	5 Nos

Delivery Details

- The equipment is to be delivered at the job site in manufacturer's packaging; the equipment is to be wrapped in air bubble sheet, in wooden closed freight container. The equipment is to be delivered undamaged. Once at job site it is to be stored indoors in controlled environment.Product manual is to be sent along.

Installation

- Installation is to be carried out on a leveled and finished concrete floor at least 200 mm thick.
- A trench of 100mmX100mm is to be provided by the client according to installation drawings provided.
- It is to be carried out by a skilled installer only and in strict accordance with the manufacturer's instruction (supplied with the 2 wheeler barrier) & installation drawings.
- Warranty of product would not cover service calls after improper installation.

- Sivananda Electronics warranties its products against defects in material and workmanship for a period of one year from the date of installation or 15 months from the date of despatch, whichever is earlier. This warranty excludes normal wear on finishes or damage that occurs due to abuse or misuse.

Standard Technical Specification

Operating Voltage	180-270 V AC,50Hz
Opening & Closing Time	Less than 2 Sec
Control Circuit	24 V DC
Nominal Consumption	50 W
Capacity/Minute	10-15 two-wheelers
Ambient Operating Temperature	0° to +50° C
Net weight (approx 1 Lane)	45 Kg
IR safety sensor	They provide safe & secure passage for rider

Dimensions & Specifications

Model	Passage Width (mm)	Overall Width (mm)	Barrier Arm Slant Angle	Unit Height (mm)	Unit Length (mm)	Unit Width (mm)
2-wheeler barrier	1000	1340	45°	1000	400	340

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E-mail: sales@sivanandaelectronics.com

Manufacturer

Manufacturers: subject to compliance with requirements, provide products by one of the following:

1. M\S Sivananda Electronics, Deepak Mahal, Lam road, Deolali,Pin-422401,Nasik,Maharashtra,India.
   Tele: +91-253-2491504/816/423