



Avon Barrier Company Ltd

(90.3)



The Avon EB450 Parking Barrier used for controlling vehicle access points has proved to be reliable and cost effective with Car Park Service Companies and Clients alike.

Designed and manufactured in our British Factory by Engineers with over 25 years experience in the development and production of Rising Arm Barriers. The Avon EB450 Parking Barrier has become a leader within its field.

With a full installation service and maintenance capability we are able to provide a swift and efficient solution to all parking and vehicle access requirements.

KEY FEATURES

- ▲ 100% Duty Cycling
- ▲ Electro-Mechanical Drive Unit
- ▲ Fast Acting 2.4 secs
- ▲ Conforms to BS6571 Part 4
- ▲ Multi Process Coating Specification
- ▲ Modular Design
- ▲ Winding Handle Facility
- ▲ 230V Single Phase 50HZ 5A Supply

BENEFITS

- ▲ Reliability
- ▲ Low Maintenance
- ▲ Service Spares Availability
- ▲ Manual Operation In Event Of Power Failure
- ▲ Ease of Installation

Avon EB450 Parking Barrier

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**Avon
EB450
Parking
Barrier**

Technical Specification

Technical drawing of the Avon EB450 Parking Barrier. The drawing shows a side view of the barrier assembly. Key components and dimensions include:

- Barrier boom:** 4m long, 840mm above foundation level.
- Aluminum boom:** Polyester powder coated with high visibility red fascal stripes.
- Galvanised steel clamping plate:** Attached to the boom.
- Barrier boom fixing:** 2 off M8 bolts.
- Polyethylene buffer strip:** Attached to the boom.
- Foundation:** 500 x 500 x 500mm.
- Lockable lift off door:** 460mm wide, 305mm high.
- Cabinet finish:** Shot blasted, 2 pack high zinc primer, textured polyester powder top coat.
- Recommended fittings:** 4 x M12 x 160 Chemi bolts.
- Cable access:** 300 x 150mm.
- Dimensions:** Max 3615mm boom length, max 3750mm total length, 1135mm height to top of boom, 970mm height to bottom of boom.

OPTIONAL EXTRAS

Access Control: Card/Proximity Reader
Keypad/Key Switch
Radio Transmitter
Infra Red
Tokens
Time Clock Facility
Inductive Loops
Intercom

Safety Equipment: Boom Lights
Safety Buffer
Photo-Electric Cell
Inductive Loop

Revenue Generating: Fixed Charge – (Dual Tariff Option)
Variable Charge
Pay On Foot System

Signs: Stop/No Entry
Single/Double Sided

Boom Shear Facility: Booms Up To 3m

Boom Crank Facility: Booms Up To 3m

FUNCTION MODE OPTIONS	
Mode A Access Controlled Entry → Auto Close Loop → No Exit	Mode B Access Controlled Entry → Auto Close Loop → Access Controlled Exit
Mode C Access Controlled Entry → Auto Close Loop → Auto Exit Loop	Mode D No Entry → Auto Close Loop → Auto Exit Loop

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The Avon EB450 Parking Electro Mechanical Barrier stands 1135mm above foundation level with the boom 840mm above foundation level. The boom is constructed from a rectangular section aluminium 76mm x 38mm supplied white polyester powder coated with red fascal striping.

The heavy duty motor plate supports the 100% duty cycle permanent capacitor 4 pole T.E.F.C. motor, which powers the sinusoidal drive mechanism via an industrial grade low ratio gearbox.

Two heavy duty bearings are secured to the motor plate, this having 2 nos adjustable cams to activate the limit switches to control the boom travel.

The barrier “parking logic” control panel is mounted within the barrier cabinet behind a removable/lockable panel and provides the necessary power supply isolator, fuses, thermal overload trips and motor contactors. Control voltage S.E.L.V. 24V.

The hinged/removable and lockable steel top cover provides easy access to the Drive Mechanism. The all steel constructed cabinet and cover are shot blasted to give a clean grease free surface providing maximum keying effect for the two pack high zinc primer, 40 microns, followed by a yellow (RAL 1007) textured polyester powder coated top coat, 40 microns – approx wt from 105kg.

An integral support is provided to maintain the boom in the horizontal position, but an adjustable spring loaded end steady can be supplied if required.

It is recommended that the barrier is secured to the foundation using 4 nos M12 x 160mm chemical anchors. The installation of ducts for cabling is dependant upon the control criteria.

The Avon Barrier Company reserve the right to change or amend the specification of its products from time to time in furtherance of its policy of continued product improvements.

Agents Stamp