

Avon EB750CE Excel Barrier



The Avon EB750CE Barrier is an ideal security barrier that can be utilised as an automatic traffic barrier for car parks and security control.

It can easily integrate with revenue collection and access control systems and is recommended for a wider road width. EB750CE Barriers are provided as standard with additional safety systems allowing compliance with BS EN 12453:2017.

The barrier cabinet stands 1135mm above foundation level, with the boom 840mm above foundation level. The heavy duty motor plate supports the 100% duty cycle permanent capacitor 4 pole T.E.F.C. motor which provides the power for the toothed belt driven industrial grade gearbox, which in turn drives the sinusoidal output mechanism. Two heavy duty bearings support the drive shaft; this having 2 machined cams to activate the adjustable limit switches to control the boom travel.

The hinged/removable lockable steel top cover provides access to the drive mechanism. The cabinet houses the 'parking logic' control panel, providing the necessary power supply isolator, fuses, thermal overload trips and motor contactors.

For boom lengths 4.5m and over, a straining wire is added for additional stability, along with a fixed end support.

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SPECIFICATION

Physical dimensions:	Barrier Cabinet - 305mm W x 460mm D x 1135mm
Basic Power requirement:	230v single phase, 50Hz, 6 amp (optional international voltages available)
Barrier Arm:	Length 7m max Boom profile - Rectangular extruded aluminium 76 x 38mm
Control Voltage:	S.E.L.V 24v
Speed of Operation:	5.5 seconds to raise or lower
Boom height:	965mm underside of boom to road surface (125mm Kerb)
Operating temperature range available (option):	-20°C - +60°C
Approx weight:	130kg
Construction:	The steel cabinet and cover are shot blasted, to give a clean grease free surface providing maximum keying effect for the high zinc primer coat followed by top coat of architectural grade polyester powder (60-80 microns) in yellow RAL 1007 (other options available). Boom profile - Rectangular extruded aluminium 76 x 38mm white powder coated with red fascal striping (black and yellow option available) Max length 7m. Booms are mounted on the right hand as standard unless specified.
Installation:	The barrier foundation should consist of grade C25 concrete and it is recommended that the barrier is secured to the foundation using 4 M12 x 160mm chemical anchors. The installation of ducts for cabling is dependent upon the control criteria.

Features

- Compliant with BS EN 12453:2017
- 100% Duty cycling
- Electro-mechanical drive unit
- Multi-process coating specification
- Modular design
- Winding handle facility
- 230v single phase 50 Hz 6A

Benefits

- Safe
- Reliability
- Low Maintenance
- Manual operation in the event of power failure
- Ease of installation
- Service spares

OPTIONS

The barrier is intended for use on vehicle roads only. Pedestrians **must** be routed via a different traffic route, additional safety measures can be incorporated into the barrier system if required. The barrier can be interfaced with existing or new access control systems.

- Access control & intercom systems
- Boom lights
- Alternative cabinet colours available
- Black/Yellow boom fascal
- Left handed boom mounting
- Inductive loop systems
- Boom mounted STOP / NO Entry labels

