

**The Avon EB750 Excel Barrier** was developed in conjunction with the Avon EB450 Parking Barrier to provide a cost effective and reliable means of controlling wider road widths.

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 EB750 Excel 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 vehicle access requirements.

**KEY FEATURES**

- ▲ 100% Duty Cycling
- ▲ Electro-Mechanical Drive Unit
- ▲ Fast Acting 4.2 secs
- ▲ 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 the Event of Power Failure
- ▲ Ease of Installation

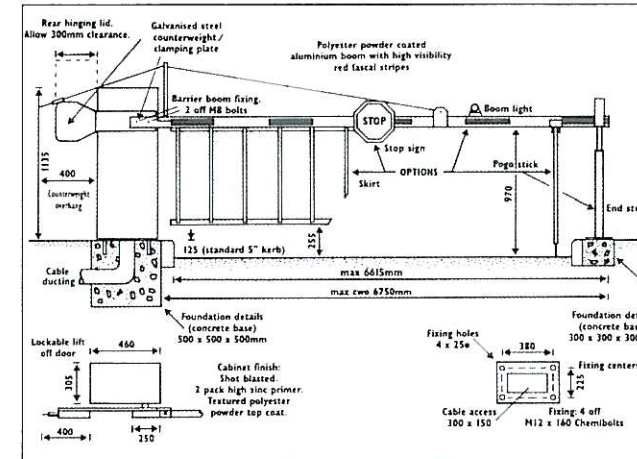
**Avon  
EB750  
Excel  
Barrier**

Avon Barrier Company Ltd  
Head Office – Nova House  
191-195 South Liberty Lane  
Ashton Vale Trading Estate  
Bristol BS3 2TN

Tel: +44 (0)117 953 5252  
Fax: +44 (0)117 953 5373  
Email: security@avon-barrier.co.uk  
www.avon-barrier.co.uk

**Technical Specification**

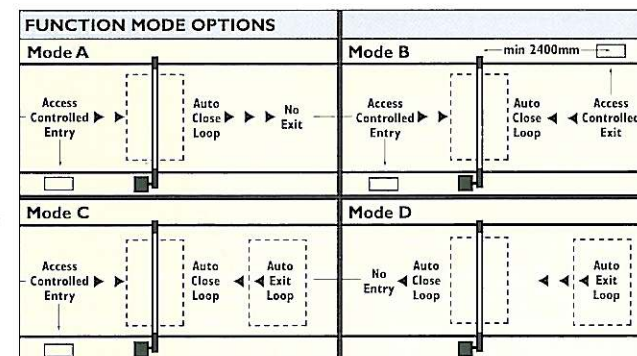
**Avon  
EB750  
Excel  
Barrier**



**STANDARD CONTROLS – RAISE/STOP/LOWER**

**OPTIONAL EXTRAS**

- Access Control:** Card/Proximity Reader, Keypad/Keyswitch, Radio Transmitter, Infra Red, Tokens/Fixed Charge Machine, Time Clock Facility, Inductive Loops, Intercom
- Safety Equipment:** Boom Lights, Safety Buffer, Photo-Electric Cell, Inductive Loop
- Signs:** Stop/No Entry, Single/Double Sided
- Skirts:** Underslung (up to 6m), Full Height (up to 5m, requiring a 82mm Ø boom)
- Boom Shear Facility:** Booms up to 3m



Avon Barrier Company Ltd  
Head Office – Nova House, 191-195 South Liberty Lane,  
Ashton Vale Trading Estate, Bristol BS3 2TN.  
Tel: +44 (0)117 953 5252 Fax: +44 (0)117 953 5373  
Email: security@avon-barrier.co.uk  
Website: www.avon-barrier.co.uk

The Avon EB750 Excel Electro Mechanical Barrier stands 1135mm above foundation level with the boom 840mm above foundation level. The arm is constructed from a rectangular section aluminium 76mm x 38mm, supplied white polyester powder coated with red fascial striping.

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 are secured to the motor plate, which support the drive shaft, this having 2 nos machined cams to activate the adjustable limit switches to control the boom travel.

The barrier 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 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, weight from 130kg.

For barriers with a boom length greater than 5m a straining wire is added for additional stability, along with an adjustable spring loaded end steady/pogo support to suit site conditions, recommended when equipment is added to the boom.

It is recommended that the barrier is secured to the foundations using 4 nos M12 x 160mm chemical anchors. The installation of ducts for cabling is dependent 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.

Agent's Stamp