

Avon EB800 Security Barrier



The Avon EB800 Security Barrier is an automatic barrier that can be utilised to secure areas and control vehicle access. The rising arm barriers offer a maximum boom length of 8m making it ideal for wider roadwidths or where larger vehicles are operating.

The EB800 is 100% duty cycling, allows compliance with safety standards and is designed for continual high use. Manufactured to the highest standards; the distinctive high quality barrier is constructed from aluminium and has a rust free environmentally durable IP54 rated cabinet. The barrier cabinet is slate grey (RAL 7015) powder coated with a traffic yellow lid (RAL 1023), (option for alternative colours).

The red and white aluminium boom is centrally mounted on the barrier cabinet enabling it to be installed on either side of the roadway. Bottom folding skirts are available on boom lengths up to 8m and full height top and bottom folding skirts are available on boom lengths up to 6m, (folding skirts require additional safety devices).

For ease and cost of transportation booms over 5m are provided in two sections and are assembled on site. As an option they can be supplied or retro fitted with an LED lighting strip which can be programmed to change colour, providing an additional indication to vehicles of the status of the barrier.

An in-built safety feature automatically reverses the barrier direction when an obstruction is met. Barriers are factory set to an operating speed to meet applicable force testing requirements, but can be adjusted (via the control board) to operate faster or slower depending on a risk assessment and other safety systems in place.

The versatile controller provides a generous number of pluggable terminals, relays and loop detectors to easily integrate with access control systems. As an option it can be network enabled with a socket for module TCP/IP or RS485 as well as an in-built socket to fit an optional (R/F) remote control receiving module.

The energy saving 24v brushless DC motor incorporates a planetary gearing system providing a smooth precise movement through electronic rotation speed control which is fast, quiet and smooth. The soft start and soft stop action, efficiently uses minimal energy to operate when accelerating and decelerating, that results in a smooth elevation or lowering of the barrier arm.

In the event of a power failure or emergency, the barrier can be manually raised or lowered.

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SPECIFICATION

Physical dimensions:	Barrier Cabinet - 400mm W x 450mm D x 1073mm		
Supply voltage:	110-240V, 50-60Hz effective range 100-264V, 47-63Hz		
Boom length (mm):	5000	6000	8000
Effective boom length max (mm):	5170	6170	8170
Power consumption max (W):	Max. 1.4A (230VAC) / Max. 2.8A (115VAC)		
Opening and closing time - medium, approx. [s]*	4/5.5/7	5/6.5/8	7/8.5/10
Barrier weight approx kg (boom weight approx kg)	121 (10)	129 (16)	134 (22)
Boom construction:	Boom profile is a rectangular extruded aluminium, boom lengths up to 5000mm -100 x 50 mm, 6000mm-8000mm - 138 x 60mm powder coated (RAL 9010) with red reflective signal stripes with a rubber tube on the boom underside. Booms over 5m are provided in two sections and are assembled on site. It is recommended that for stability a fixed end support post is used for boom lengths of 5m and over.		
Barrier construction:	The aluminium cabinet is powder coated main cabinet RAL 7015 cabinet lid RAL 1023 (other options available) with an IP54 rating.		
Installation:	The barrier foundation if installing outside should consist of grade C35/45 concrete and it is recommended that the barrier is secured to the foundation using 4 M12 x 160/180mm chemical anchors. The installation of ducts for cabling is dependent upon the control criteria.		

* Barrier speeds will be factory set to be compliant with latest applicable safety standards

OPTIONS

For safety reasons pedestrians, cyclists and motorcycles should not use a barrier controlled roadway. Additional safety measures can be incorporated into the barrier system if required. The barrier can be interfaced with existing or new access control systems.

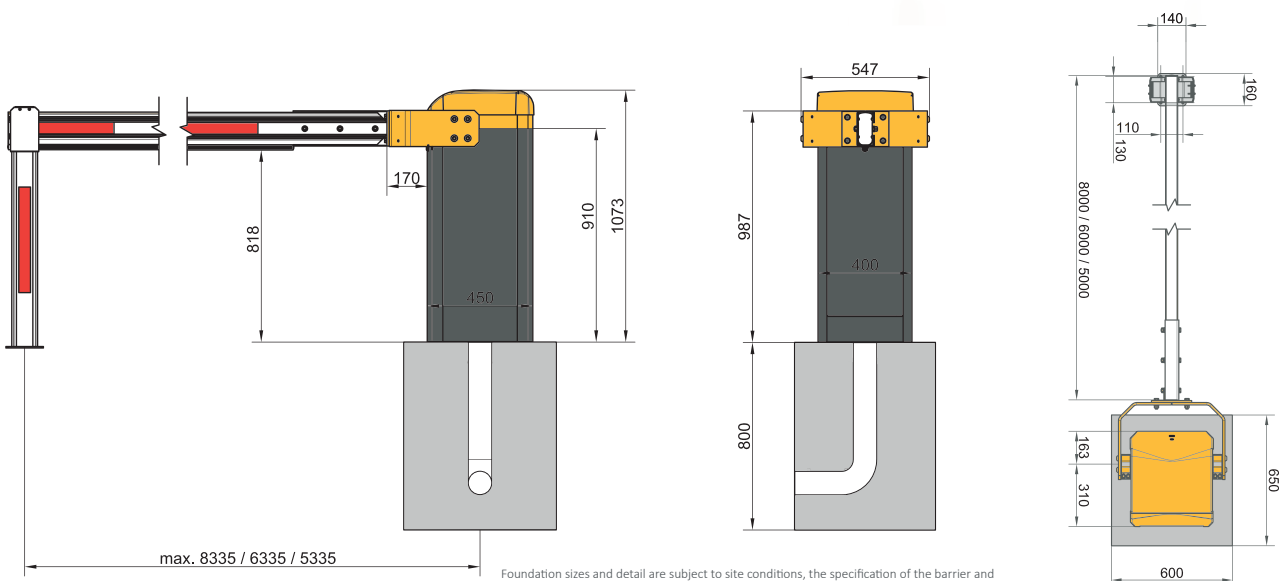
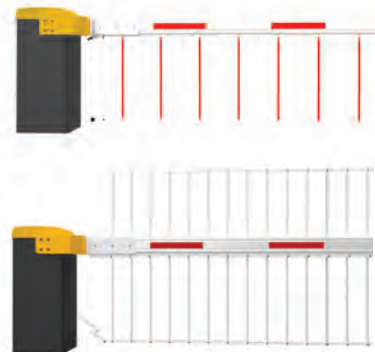
- Access control & intercom systems, radio remote control receiver
- Inductive loops
- LED boom lighting
- Module for auto open in event of power failure
- Additional safety features
- Folding bottom skirts (up to 8m)
- Folding top and bottom skirts (up to 6m)
- Alternative cabinet colours available
- Module TCP/IP or RS485 for network operation
- Easy control 'Operator' to control & monitor barrier via Windows-PC

Features

- 100% duty cycling
- Energy saving 24v brushless motor gearbox with planetary gear
- Aluminium rust free cabinet
- End position detection without limit switches
- Variable speeds*
- Six programmable relay outputs
- Three single loop detectors

Benefits

- Reliability for high usage
- Environmentally durable cabinet
- Energy efficient drive
- Manufactured from sustainable recyclable materials
- Manual operation in the event of power failure
- Easy to maintain & upgrade
- Adaptable to site conditions



Foundation sizes and detail are subject to site conditions, the specification of the barrier and accessories required. The images shown are indicative only. Please contact us for further assistance.