



Barrier Specification

Clear opening	Up to 6.00 metres
Pedestal dimensions	460 x 1090 x 280 mm.
Boom Height	915 mm
Operating time	2 - 7 seconds (dependant on boom length etc.)

The pedestal case shall be manufactured from etched finish 2mm thick stainless steel sheet, formed, and assembled with fully welded seams. The whole front face of the pedestal case will be removable to give clear access to the drive system and control panel, and it is to be secured by a lock. The case shall be reversible for left or right hand operation. The boom shall be manufactured from 100mm dia. x 2mm wall thickness seamless aluminium tube, finished white with red, dual aspect reflective chevrons. The boom shall be counterbalanced internally by a number and size of spring designated by the boom length.

The drive unit shall be electro mechanical consisting of a three phase 230/400v, 50Hz, motor, rated for continuous use, coupled via a vee-belt drive to a worm drive gearbox. The gearbox shall be sealed for life and lubricated with synthetic oil. The gearbox output shaft shall incorporate a manual release clutch (to give manual over-ride) and be coupled to the boom via a boom mounting plate. The self-locking drive system shall prevent the boom from being moved without authorization. In addition to adjustable physical stops, the fully open/fully closed boom positions are to be controlled by adjustable cam operated limit switches.

In the event of power failure, the drive may be easily disconnected from the output shaft by releasing the clutch mechanism after access has been gained by removing the pedestal cover, and locking off the mains isolator.

The EP103 control panel shall be mounted within a weatherproof plastic housing inside the pedestal case and shall be capable of accepting inputs from all types of access control systems e.g. card readers, inductive ground loops, proximity readers, push buttons etc.

The EP103 panel will also monitor the following;

- Incoming mains voltage
- Motor running time
- Motor running current & Cos ϕ load shift ('Loadguard')
- Motor protection circuits
- Status of photo-cell beam and inductive ground loops
- Circuit fault diagnosis
- Built in adjustable auto close time delay
- Number of operations
- Interlock with other DAAB barriers
- Safety buffer under the boom

Barriers may be fitted with the following optional accessories

- Adjustable floor mounted or pendular tip rest, in stainless steel finish (recommended for boom lengths in excess of 4.00 metres)
- Pendular plastic chain or aluminium skirts (below only or above and below the boom)
- Inverter power supply for soft start/soft stop of long/heavy booms
- Articulated boom for use where headroom is restricted
- Electro-magnetic lock incorporated into the tip rest for additional security
- Boom mounted signs
- Dual aspect boom mounted warning light
- Single phase motor (not recommended for high use sites)
- Plug in DB 313 card for status signal outputs.
- Plug in DB 312 card for dual function inductive ground loop monitoring

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