



## Barrier Specification

Clear opening	over 6.00 metres up to 9.130 metres
Pedestal dimensions	450 x 1100 x 450 mm
Boom Height	900 mm
Operating time	7.5 seconds

The pedestal case shall be manufactured from mild steel, shot blasted, hot zinc sprayed and polyurethane coated to a colour of the customers' choice. The front face and top cover 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 120/100/80mm stepped seamless aluminium tubes, finished white with red, dual aspect reflective stripes. 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, 0.25kw motor, rated for continuous use, coupled to a worm drive gearbox. The gearbox shall be sealed for life and lubricated with synthetic oil. The boom axle shaft shall incorporate a manual release clutch (to give manual over-ride) and be coupled to the boom via two arms either side of the pedestal that meet at the boom mounting spigot. 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 boom axle shaft by releasing the clutch mechanism after access has been gained by removing the pedestal top cover, and locking off the mains isolator.

The 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. etc..

Barriers may be fitted with the following optional accessories

- Adjustable floor mounted or pendular tip rest (recommended for boom lengths in excess of 6.00 metres)
- Pendular aluminium skirts (below only or above and below the boom)
- Boom mounted signs
- Dual aspect boom mounted warning light
- Safety buffer mounted under the boom
- Photo-cell beam to prevent barrier from closing when the beam is interrupted.
- Detector for single/dual channel inductive ground loop monitoring for safety, free exit & auto close functions
- Open/Stop/Close push buttons or keyswitch
- Hand held remote radio transmitters/receiver
- Card or proximity fob readers
- Digital keypads

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