



MAGDRIVE

Info



MAGDRIVE VEHICLE BARRIER

PBAU SERIES

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DESCRIPTION

The MAGDRIVE barrier is designed for controlling movement of motor vehicles into or out of restricted areas. Powered by an instant reversing high duty cycle torque motor the barrier is capable of continuous use.

Combination of the proven torque motor and a sinusoidal lever system provides a simple very reliable drive. The system permits fast opening and closing times without bouncing of the boom in end positions. The sinusoidal system ensures that the boom is locked in both end positions. In the event of a power failure however the boom may be moved easily by hand.

The complete drive system is installed on a mounting plate in the upper part of the barrier housing. The drive unit can be detached from the housing by removing 4 cap screws.

The boom weight is exactly balanced by means of built in springs. Adjustment of spring tension for the fitted boom length is carried out in the factory however site adjustment to compensate for change in boom length or fitting of a sign is possible.

HOUSING

The fabricated housing is comprised of a substantial galvanized steel RHS frame clad in 1.6mm thick stainless steel sheeting finished with an Epoxy powder coat. The stainless steel sheet cladding, including attached lid is removable on three sides to provide uninterrupted access to internal mechanisms.

The housing is bolted to a concrete floor using Dynabolts or similar.

DRIVE

Powerhouse for the barrier is the widely proven torque motor which is permanently energised. The motor stalls in end positions and limit switches and clutches are not required. A counterbalance spring assists the motor at different parts of its travel.

CONTROL

A microprocessor based logic control and vehicle detector are used to cycle the barrier. These are mounted internally and prewired with a mains isolating switch.

BOOM

The barrier is traditionally fitted with a white painted aluminium tube 76mm diameter and carrying a reflective tape. An octagonal aluminium section is also available for heavy duty applications. A pendulum support is obligatory for booms over 4.5 metre in length.

Articulated booms for use in low headroom applications are available.

SPECIFICATION

Model	PBAU10	PBAU7	PBAU3
Max boom length	3M	4.5M	6M
Opening/closing time	3 sec	4.5 sec	6 sec
Power supply	230V AC 50Hz		
Power consumption	80 watts		
Housing width	380		
depth	260		
height	1000		
Weight	35 Kg		
Foundation size	330 x 450 x 250 size		