



Barriers MAGSTOP (Car park barriers)

MIB 30 / MIB 40

Technical data:	Unit	MIB 30	MIB 40
Maximum boom length	feet	12'	20'
Opening and closing time	s	1.4 – 1.9 *	4.0
Voltage	V	115	115
Frequency	Hz	60	60
Power consumption	W	120	120
Housing: width	inches	13 3/4"	13 3/4"
Depth	inches	13 3/4"	13 3/4"
Height	inches	42"	42"
Weight not including barrier boom	Lbs	110	110

* according to construction length

Technical Description

The combination of our proven and reliable electric motor with a lever system represents a simple and extremely reliable drive solution. It permits short opening and closing times without the barrier boom bouncing in the end positions. The lever system locks the barrier boom at both end positions. In the event of a power failure, it can still be moved easily by hand.

The complete drive system is attached to the barrier housing as a single unit, and can easily be removed from the housing by removing the mounting screws.

A built in spring mechanism provides a precise counterbalance for the barrier boom. The springs are factory set to correspond with the boom length prior to delivery. If necessary, the springs can be easily reset in situ during assembly, for example if the barrier boom is shortened or if signs are attached to the boom.

It is also a simple matter to change the handing on-site from right-axial to left-axial.

The Drive Unit

The barrier is driven by a torque motor mounted on a central cast aluminium support. This support also contains the bearings for the drive shaft, the gear box and the mounting for the counterbalance springs. The torque motor is designed for alternating current. It requires neither limit switches nor a friction clutch. It is maintenance-free and can be stalled in any position without the risk

of damage. In the end positions the motor remains under power assisting the mechanical locking of the barrier boom via the lever system. This reduces the power consumption to a minimum. This power is dissipated in the form of heat, which prevents the occurrence of condensation and corrosion. This guarantees reliable and problem-free operation, especially in cold climatic conditions.

The built-in position sensor provides precise barrier boom status information to the associated controller. The self-learning control unit guarantees optimum braking, without the barrier boom bouncing or swinging out of the end position. The barrier is factory wired, tested, ready to connect and supplied with all necessary mounting accessories.

The Housing

The housing is manufactured from 14 gauge zinc plated sheet steel on to a base frame of stainless steel, then phosphate and powder coat finished for maximum protection against corrosion.

Control units are mounted onto a removable zinc plated sheet steel panel. All of the components within the barrier housing are readily accessible through the maintenance door and removable top cover. The housing is supplied in an RAL 2000 orange colour finish as standard. Other colours are available on request, at extra cost.

Available Versions

Barriers may be supplied with the barrier boom fitted to either the right or left hand side. In its standard configuration the maintenance access door is positioned on the road side, although on request it can be any one of the other sides.

The Barrier Boom

The barrier boom is extruded from highly stable aluminium alloy to produce an octagonal profile of 4" x 2 1/8" x 1/16" and finished with an RAL 9010 white powder coat then applied with bright red reflective tape strips. Hence the boom is readily visible even at night. If the barrier boom is to be any longer than 12', it is necessary to fit either a pendulum support or fixed support post.



