MAGDRIVE **Info**

MAGDRIVE RETRACTABLE BARRIER

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DESCRIPTION

The RPB Series of Flap Barriers has been developed with emphasis to provide a user friendly access control barrier for fast moving people into areas such as, Railway Stations, Sport Stadiums, Wharves etc.
The modular concept includes customised front panels, that adapt easily for mounting a variety of ticket readers used by public utilities. It also offers flexibility to accept different types of access card reader used in the Security Industry.
The drive system incorporates a 100% duty cycle torque motor with electric braking system.

FEATURES

- Continuous torque at any position
- Minimal maintenance
- Able to be stalled in any position without damage to the motor, eliminating the need for a mechanical clutch. This important feature simplifies maintenance.
- Reversible from an external force without damage to the motor and therefore highly vandal resistant.
- Low power consumption with energy saving power cut-off in the rest position. Whilst closed an electrical brake prevents flaps from being forced open.
- On power failure the drive system has minimal internal friction, and with a simple spring mechanism, the flaps may be caused to open. The mechanism can also be adjusted for the flaps to remain closed during a power failure.

OPERATION

The torque drive operates a single lever arm with a precision roller bearing at one end. The bearing moves in a slot within the flap to produce a sinusoidal movement causing a soft start and finish to flap travel. The lever arm can be adjusted to lock flaps in the closed position.

MECHANICAL

The RPB series is constructed around a rigid electroplated rectangular hollow steel section chassis. The chassis has mounting positions, fitted with flanges, bushes and brackets to support the torque motor and flap shaft bearings. The PLC or Microprocessor control are mounted on a hinged flap accessed via an end panel.
The chassis is covered with a steel cladding which can be stainless steel or powder-coated zinctec sheet. Front panels can be customised to suit different environments.
Standard flap material is 20mm thick acrylic sheet with a patterned surface. Other rigid materials can be used due to low controlled power from the torque drive, limiting the mechanical energy (including inertia) in the system.
The operating speed of the standard flap is approximately 0.7 seconds.

SPECIFICATION

Model	Compact	Standard
Motor	B5	B5
Torque Nm	1.5	1.5
Open /Close time	0.7 sec	0.7 sec
Protection IP	55	55
Voltage (supply) VAC/Hz	230/50	230/50
Brake (motor) DC	24	24
Standby Current amp	0.5	0.5
Max Current amp	2.0	2.0
Duty Cycle %	100	100
Weight kg	130	190
Length mm	836	1676