



Pedestrian Pivot Magstop Retractable

MPR 112

Technical Data:	Type	MPR 112-middle	MPR 112 -wide
Motor drive		MHTM	MHTM
Opening- /Closing time	msec.	300	400
C/w Soft Flap	mm	200	400
Protection	IP	32	32
Power supply	V	115/127/230/240	
Frequency	Hz	50-60	50-60
Length	mm	1300	1300
Width	mm	250	280
Height	mm	1035	1035

Product Description

The pedestrian retractable barrier series type MPR (**M**agnetic **P**edestrian **R**etractable) is designed to control pedestrians entering or exiting restricted areas, usually under surveillance, in low security situations. Personal surveillance is therefore recommended as the barrier can be breached.

Two different models are available, the standard model has an aisle width of 520 mm and a wide lane disabled model has an aisle width of 990 mm.

The construction consists of sheet metal housings that can be extended with intermediate parts to a user-defined line configuration corresponding to the needs, e. g. in case of a high throughput.

The aisle is blocked by means of a retractable triangular wing made of acrylic glass or PU-foam. After an opening pulse the wing retracts into the housing, consequently the aisle is completely clear. It closes immediately after passage or after an adjustable runtime cycle.

The opening and closing runtimes are from 200 – 400 msec., dependent on the type of wing used.

Fields of Applications

- Train stations
- Air ports
- Sports stadiums
- Museums
- Company entries
- Subway stations

Housing

The construction consists of different segments bolt together. The middle segment contains the controller and drive unit. The middle segment has two hinged locked doors providing optimum access to the controller and drive mechanism.

Various optional access control devices (such as card readers, finger print readers etc.) can be accommodated on a stainless steel fascia panel located at each end segment of the MPR.

The pedestrian retractable barrier, designed for indoor installations, is made of polished steel plate 430 stainless steel with protection class IP 32

Dimensions:

MPR 112 middle:

length: 1300 mm
width: 250 mm
height: 1035 mm

MPR 112 wide :

length: 1300 mm
width: 280 mm
height: 1035 mm

Description of the wings

Our standard wing is made of 20 mm acrylic glass and is only used with the standard MPR.

The disabled accessible model contains the so called "telescopic soft wing", i. e. a two part wing, composed of an aluminum core

with PUR- foam coating that, telescopes when the MPR opens and closes. Only this patented construction allows to block an aisle of 990 mm with the slim housing width of 280 mm.

The level of hardness for the soft wing will be approx. 55 shore as default.

In case of a wide with a middle lane configuration, we suggest for a balanced operational system, that you use the soft wings for both lanes. However, the middle MPR barrier will not have the telescopic mechanism.

With the use of soft wings the risk of injury or damage is minimized, even in the event of a visitor running into the closed retractable barrier.

Motor Drive

Our new developed and patented Magnetic High Torque Motor **MHTM** with resolver technique is the focus of the drive unit. The DC motor allows a direct drive of the wing without additional gear.

In connection with the new universal MBC controller we can provide functional features that are very useful and expedient for our customers. The motor offers numerous benefits including a near noiseless operation, smallest dynamic impact forces, impact detection, lowest abrasion and highest opening- and closing times.

The impact detection interrupts the closing operation in the event that the wing is obstructed. In this event the wing reverses

(opens automatically). Impact detection helps to eliminate any possible injury or damage.

In the closed mode operation the wings will be locked by means of a lever system.

The wings automatically open when power fails and thus free passage is ensured.

The MHTM motor operates under constant power in the home position; therefore the heat dissipated prevents any condensation and prolongs the life of the motor.

Safety

For prohibition of an early or unintentional closing, e. g. if accompanied luggage remains in the housing area, the housings are fitted with light beams. The closing pressure is far under the legal requirements, therefore with our soft wings the risk of injury or damage is minimized, even in the event of a visitor running into the closed retractable barrier.

