



Magnetic PathMinder™

Optical Turnstiles

PathMinder™ optical turnstiles offer an advanced approach to monitoring the entry and exit of visitors and staff in lobby areas.

PathMinder™ turnstiles are conceptually similar to mechanical arms but use infrared sensor arrays instead of mechanical arms. The sensor arrays determine both the number and direction of people moving through the turnstile whilst also detecting attempts at tailgating and circumvention.

PathMinder™ optical turnstiles allow easy, barrier free wheelchair access and are ideally suited for corporate lobbies, government buildings and industrial complexes requiring un-obstructive yet monitored access.

PathMinder™ optical turnstiles are designed to work with new or existing access control systems and in high traffic areas. Lanes can be programmed for one or two way traffic and for card presentation from either or both sides. PathMinder's features provide higher security, greater flexibility and quicker installations.

In addition to controlling access, PathMinder™ lanes can also be used as a people counter to track how many people enter and remain inside a facility (eg., museums).

Easy Installation.

PathMinder™ is designed for quick, easy installation.

Wheelchair Access

PathMinder™ allows unobstructed wheelchair access

High Traffic Capacity

Each PathMinder™ lane can process in excess of 3,000 people per hour.

Ease of Use.

Large bright pictograms (green arrow for enter, a red do-not enter symbol, and a "present card" symbol) combined with audible feedback makes PathMinder™ simple to use.

Unobstructed Emergency Evacuation.

PathMinder™ provides an unobstructed egress path in the event of an emergency.

Tailgating Detection.

A person attempting to enter a facility by closely following an unsuspecting authorised user is detected by PathMinder™.

Improved Lobby Security.

One employee can easily supervise an entire row of PathMinder™ optical turnstiles.

Reader Compatibility.

PathMinder™ is designed to work with all standard access control readers.

Open Architecture.

PathMinder™ is designed to work with all access control systems and can easily be retrofitted with existing systems.

Automatic Lane Management.

PathMinder™ lanes can be dynamically configured from the access control system to allow them to operate as follows:-

- * Lane secure (valid card presentation required)
- * Lane open (no card required)
- * Lane closed.

Each direction (in or out) can be configured separately for varying needs such as:-

- * Automatically closing all but one lane at night
- * Having multiple open lanes going into a facility in the morning and the same lanes configured as exit lanes only during the rush hour.
- * Having lanes accessible without the use of cards during special events.

Manual Lane Control.

PathMinder™ lanes can be remotely controlled by security personnel for admitting individuals or groups of people who do not have access cards.

Design.

The airfoil-shaped Model 2100 series turnstile housing is finished in stainless steel and is optionally available with a Corian top to blend with building architecture. Other housing models are available.

Spacing Between Pedestals.

Pedestals are typically spaced from 72cm to 95cm apart. Ninety Five centimetres is required for wheelchair access in most areas.

Reader Compatibility.

PathMinder is designed to work with all standard access control readers. Included are:-

- * Short and long range proximity readers
- * Weigand readers
- * Magnetic stripe readers
- * Bar code readers
- * Biometric readers (Finger print)

Options.

- * Voice annunciation
- * Custom graphics and pictograms
- * Custom turnstile pedestal design
- * Custom firmware
- * Private labeling (custom logo)
- * Low temperature operation (outdoor use)
- * On-site engineering

Engineering Support.

Magnetic's background in advanced integrated security system design together with our distributor network make us well positioned to provide engineered solutions to meet customers specialised needs.

Our staff of professionals, having a strong blend of both security and engineering expertise, stands ready to tackle the most challenging security engineering projects.

Technical Specifications

Visual Indicators

End Lights	
Red	Solid-lane closed or in use
Green	Lane open– free access
Yellow	Lane secure – present card
Top Lights	
Red	Do not enter
Green	Enter
Yellow	Present access card
Outputs	
	General alarms
	Tailgate alarm
	Authorised access
	Unauthorised access
Audible Alarm	Steady or intermittent tone
Access Control Inputs	
Access granted	2 outputs (one per direction)
Access denied	2 outputs (one per direction)
Configuration Inputs (for each side of lane)	
Lane secure	card presentation required
Lane Closed	Lane Open – free access
Transformer	16VAC 75VA
Power requirements	5 amps
Size	Height: 97cm(99 cm with Corian top)
	Width 23 cm

Model Number	Description	Housing Construction
PM2130	Bi-directional – first lane consists of two housings	Stainless Steel
PM2140	Bi-directional – interlane (one housing for each additional lane)	Stainless Steel
PM2150	Bi-directional – first lane consists of two housings	Stainless Steel / Corian Top
PM2160	Bi-directional – interlane (one housing for each additional lane)	Stainless Steel / Corian Top
FA 2000	Bi-directional – first lane (electronics frame assembly only)	
FA 2500	Bi-directional – interlane (electronics frame assembly only)	
A2300	12V 5A Power supply c/w 16VAC 75 VA Transformer (1 per lane)	
A2700	Remote Antenna for HID Proxpro Reader	

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