

unstaffed door
≠
security risk

(thanks to PathMinder)

New PathMinder 4000 series doorway tailgate sensor prevents building infiltration

Many sites have doors that are unlocked by the access control system after a valid proximity/magnetic card has been read. These doors often give a **false sense of security**--once the door is open, any number of people can enter. Employees regularly **hold the door open** for others (even people they don't recognize!), offering easy access to intruders. In other cases, an intruder will **grab a door** as it is just about to close, without attracting the attention of the person who opened the door. In either case, it is easy for anyone to enter a building without presenting any identification or being challenged by building staff.

PathMinder's new doorway tailgate sensor **solves these problems**. An alarm is generated whenever more than one person tries to enter per card, optionally paging security personnel or triggering recording on a CCTV camera. The door does not need to close between people--as long as each person presents a valid badge as he/she enters, the system grants passage. This assures high traffic throughput. And since it uses PathMinder's proven twelve beam detection array and advanced algorithms, false alarms are almost nil.

The tailgate sensor integrates into any existing doorway, mounting either against the door frame or against the walls of the corridor. Multiple housing options are available, to assure that the units conform to the target building's architecture.

Introduced at the ASIS 2002 show in Philadelphia in September, the 4000 series generated quite a stir. Attendees were particularly impressed with the number of scenarios the units can detect, such as an employee in the building using the inside badge reader to unlock the door, leaning over the detectors, and opening the door for someone waiting outside to come in. High tolerance for rolling suitcases and swinging arms was applauded.

Tighten the holes in your building's perimeter.
Contact PathMinder for a demonstration.

nouvelles2002.10.01

PathMinder now offers all kinds of barriers in its new oval 5000 series turnstiles with retractable barriers. You may be familiar with the retractable barrier wing (shown at right, on assembly line). PathMinder now also offers low sliding barriers (waist-height) and tall sliding barriers (about six feet tall) that slide horizontally like elevator doors.

All new optical turnstiles with barriers feature servo motors. These offer some unique advantages over other motor technologies: they are whisper-quiet and maintenance free. The motors are programmed to provide variable acceleration: the barriers move very quickly for the first part of their motion, then slow down as they reach their new position. This provides a good combination of opening/closing speed while instilling confidence in the people using the turnstile. Quiet barriers also mean higher throughput--people don't pause unnecessarily as they would with a loud, clunky barrier.

Like any PathMinder product, safety comes first. The barrier wing turnstiles use an array of safety sensors to make sure that the barrier never closes on a person (tailgaters are caught with an alarm, not with a crushing barrier like some competitors' units).

Better barriers. Better buildings.
Only from PathMinder.

building better barriers



what to look for in an optical turnstile with barriers

Are you thinking of specifying turnstiles with barriers in your next job? Assure the turnstiles meet your needs by asking the relevant questions.

Barrier safety

- Do the barriers retract automatically when a fire alarm occurs?
- Will the barriers close on a person trying to tailgate/piggyback into the site, possibly causing injury and/or damage to persons' property?
- How many detectors are used to make sure there is no object in the barriers' path as they close?
- Are the safety detectors fooled by a swinging arm or an attempt to defeat the barriers by covering a beam or two?
- How much force is used to throw the barriers? If the safety detectors were defeated, and the barriers closed on a child, would he/she be injured?

Barrier acceptance

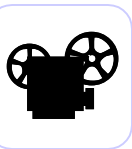
- Can I order the type of barrier I want (angel wing/low sliding door/tall sliding door)?
- Will my turnstile manufacturer customize the units for me, with a logo or custom materials?
- Do the barriers operate smoothly? Quietly? Do they shake around when they hit their stops?
- Do the barriers or motors need periodic maintenance?
- Are the turnstiles compact?
- Are the turnstiles designed in such a way that all lanes of an installation meet ADA requirements at 32" spacing (rather than 36")?

PathMinder introduces its first barrier wing turnstiles in Kuala Lumpur, the hub of Malaysian commerce.



1996

PathMinder barrier wing turnstiles are featured in Entrapment, starring Sean Connery and Catherine Zeta-Jones.



1997

New models are released with 24 sensor beams and new, more advanced algorithms. Sales are brisk.



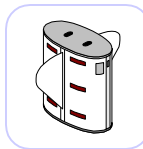
1999

PathMinder and Francis Cauffman Foley Hoffmann Architects take barrier turnstile design to new heights with a custom housing for Bristol Myers Squibb.



2000

PathMinder launches another first: the compact oval housing with three styles of barriers. It even meets ADA requirements at a 32" lane width.



2002

pathminder retrospective



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