

Tourlock 120M

SECURITY DOORS



For the budget-conscious, the Tourlock 120M provides a high level of security and still supports an impressive throughput. Low maintenance, high security and cost effectiveness make this manual revolving door ideal for many applications.

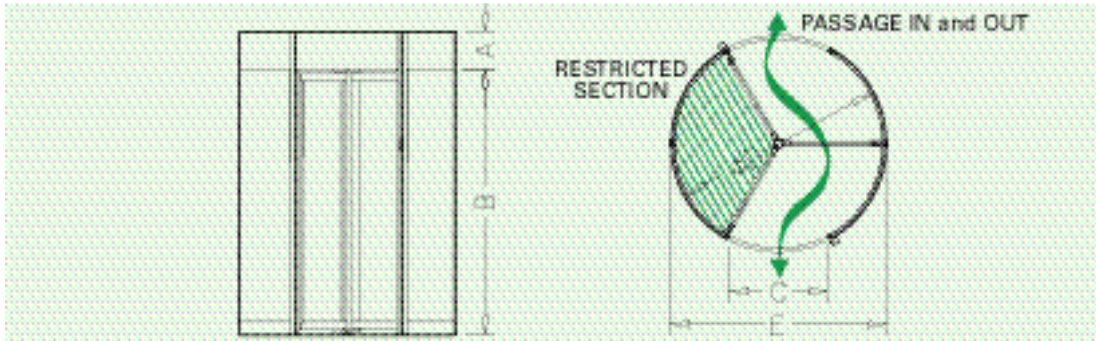
In the rest position, the 3-wing design of the Tourlock 120M secures a passageway from entry or exit. Pedestrians are authorized by an external card reader or biometric device of your choice, the door unlocks, and the user can then turn the doorset through 120° in the direction of

travel. Overhead infrared sensors mounted in the ceiling check for unauthorized passage into the "restricted section" of the door.

The Tourlock 120M is a high-quality, security product that's easy to use with any access control system. The use of the overhead infrared sensors make contact floor mats unnecessary; therefore, the Tourlock 120M can even be installed on a finished floor. This makes renovation projects quick and easy.

The Tourlock 120M provides a secured access point at a substantially lower cost than traditional manned stations or fully automatic doors. This eliminates the problems associated with manned stations, such as low attention span and absenteeism. Additionally, the Tourlock reduces the infiltration of unwanted outside air, decreasing energy costs.

Tourlock 120M



	Minimum	Maximum
	5'0"	5'6"
A	11 ³ / ₄ "	11 ³ / ₄ "
B	7'0"	7'0"
C	2' 1 ⁵ / ₈ "	2' 4 ⁵ / ₈ "
D	5'0"	5'6"
E	5'3"	5'9"

Basic Operation

The Tourlock 120M rests in the locked position, always ready for pedestrian use. Upon receiving an authorized signal from an external card reader, or another access control device, the locking mechanism releases and allows the doorset to be rotated 120°. The Tourlock 120M then stops and locks.

A second person, with authorization, may then enter the Tourlock 120M from either direction and rotate the doorset 120° to pass through.

Although simultaneous inbound and outbound traffic cannot be accommodated, the Tourlock 120M allows for two-way traffic flow and a maximum recommended traffic capacity of approximately 10-15 persons per minute.

If a person enters the restricted section of the Tourlock 120M from either direction, the doorset will immediately stop and an alarm will sound. When the unauthorized person moves out of the restricted section, the Tourlock 120M will be authorized to finish its cycle.

Construction

The Tourlock 120M is made from anodized aluminum extrusions and 1/4" tempered safety glass. Optional finishes include: painted or powdercoated aluminum, stainless steel and brass cladding. Laminated safety glass is also available.

A Programmable Logic Controller (PLC) serves as the main processor for operation and can be customized to meet specific installation requirements.

Overhead infrared sensors are used to detect the presence of persons in the restricted section. The PLC then locks the doorset until the restricted section is cleared.

Safety

The standard Tourlock is designed to be fail-safe and allow for emergency egress. The electric locking device releases upon signal from the building alarm system and the doorset may be rotated in either direction. A fail-secure design is also available.

Compressible contact switches are installed on the end of the curved side walls and will stop the door's rotation when contacted.