



monador
Automatic Door Systems



HIGH LEVEL SECURITY



BOON EDAM
YOUR ENTRY EXPERTS.

TOURLOCK 120.

THE **COMFORTABLE AND SECURE** REVOLVING DOOR

The Tourlock 120 is the security revolving door of choice when space is limited, combined with the need for larger door compartments. This three-wing automated security door is a reliable, comfortable security entry solution that effectively prevents tailgating and piggybacking. The three-wing configuration has an alternating rotation direction that ensures traffic from either side of a secured area is controlled while delivering a large and comfortable segment space. Users entering and leaving the building can, however, authorise themselves simultaneously, the second authorisation will be remembered, and rotation will start as soon as the first passage has been completed.





OVERVIEW

The three wings have the advantage of providing more space in each segment, which gives the authorised user a comfortable experience when travelling through. It offers a slightly lower throughput than its sister – the Tourlock 180 and is the ideal solution when comfort, high security and predominantly single direction traffic applies.

By offering various operating functions, the Tourlock 120 delivers a flexible entrance that can be adapted to the changing demands within a 24 hour operation cycle.

TAKING SAFETY AND SECURITY SERIOUSLY

The Tourlock 120 meets the latest CE safety regulations to allow for a trusted and convenient passage, even for untrained users in public locations. In compliance with the European EN17352 user safety level, the door also provides:

- **Block detection** sensing obstacles in the door
- Optional highly accurate **end wall buffer (EBS) safety sensors** with adjustable detection width to safeguard the main closing edge
- **Safety rail door wing (SRD) buffers** to protect heels and toes
- **Safety rail turning (SRT) at the leading edge buffers** to protect hands and fingers
- **Contrasting instructional safety stickers** on door wings
- Optional Emergency stop button to switch off and unlock the drive instantly, without any security compromise
- **Pull release with a lock** to release the door set in case of power failure

PREVENT PIGGYBACKING AND TAILGATING

The Tourlock 120 comes with an array of possible security packages ranging from tailgating detection up to piggybacking detection. For those looking for the highest level of security a weight system can be selected. This system detects and prevents piggybacking, or two users attempting to enter the security door on one authorised credential. Organisations looking to increase the security level of their security revolving door can consider the following features:

- **Sensor system:** An overhead detection system for floor mounted applications. The Tourlock 120 will stop when an unauthorised attempt is made to enter the building using the segment directly behind or oppose an authorised user (detects tailgating).
- **Weight system:** Scales can be integrated into the floor and doorset of the Tourlock 120, which compare the weight of the user and his luggage to a pre-set weight. If the weight inside the door exceeds the pre-set weight, the Tourlock 120 will assume the user is not alone and deny access. Although less accurate than StereoVision in its sister - the Tourlock 180, a weight system still offers a high level of anti-tailgating detection (detects both tailgating and piggybacking).

MORE FLEXIBILITY MEANS MORE CHOICE AND CONVENIENCE

The multi-functional operation modes available in the Tourlock 120, really make it easy to adjust the door to suit all your circumstances as they evolve over the day. Controlled via the ACS it can be switched between following operation modes:

- **High security** (piggybacking and tailgating detection)
- **Normal security** (tailgating detection)
- **One directional traffic**

SIMPLE AND EFFECTIVE

Not all facilities have the pressure of needing to cope with large volumes of visitors requiring authorised access. Sometimes a simple and secure solution is the best answer to an area that needs taking care of. The Tourlock 120 allows access to one user at a time (on the authorisation of their valid credentials). A second user waits for the first authorisation and rotation to complete before the door clears and immediately grants access to the next person.

The door comes delivered in a fail-safe mode with an option to be made fail-secure – this maintains the security in the event of a power failure activation. The doorset is available in either a rigid or collapsible configuration. The collapsible doorset can be unlocked to provide a free passage in case of emergency.

TOUCHLESS OPTIONS FOR A NEW WORLD

The Tourlock 120 can be controlled and monitored via a contemporary touchscreen panel or, for more advanced controlling, be integrated with the ACS system. Flexible integration opportunities are available to make sure your high security door is set up to suit your exact location's security criteria. Our entry experts are trained to assist you further with this.

Using biometric authorisation systems allows you complete touch and frictionless entry. There is no need to reach out to your authorisation card or tag. Knowing who is in your building, as well as how many people are there at one time, has become paramount in a Pandemic world - where reducing over-crowding is top-of-mind for the security and facility managers.

KEY FEATURES

- Optional weight system anti-piggybacking system
- Seamless integration with access control and biometric devices (including facial recognition)
- Bullet resistance protection package (BR4NS)
- Onboard user communication system
- Supports alternating bi-directional traffic
- Premium quality materials
- Cleaning mode function– operated with a key switch panel on the secured side of the door
- Feedback signals to the authorisation system
- Connection to the external fire alarm system
- Matwell trim for mounting on the floor, or surface-mounted
- Night locking

KEY BENEFITS

- Reduced / eliminated guard salary allows for quick ROI
- Handles average throughput (15 people per minute in one direction)
- Accelerated technical troubleshooting with dedicated service tool and IP connection
- Self-managed – no manned guard required

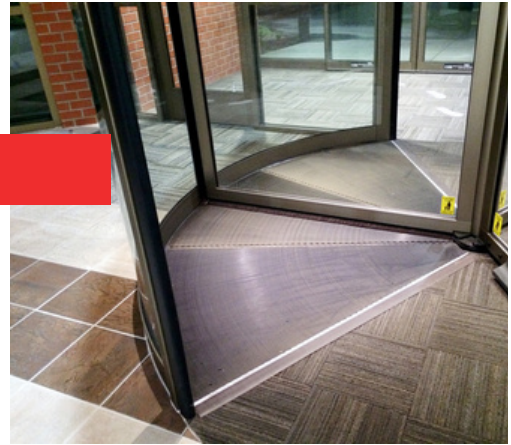
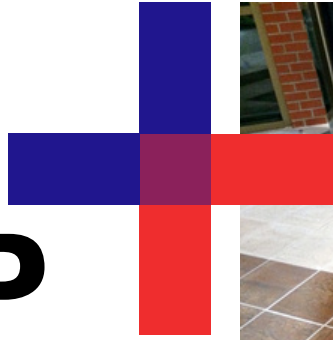
SUGGESTED SEGMENTS

- Financial
- Technology
- Data centres
- Petrochemical
- Government / military
- Office buildings
- Airports

You can level up in any of these categories:



LEVEL UP



If our standard specifications do not quite suit your needs, we open up opportunities for you to 'Level Up' where it counts most. You can also do this according to your most motivating value driver.

The specification table shows you our standard product options, and to the right of these, you can easily see, and consider, any compatible 'Level Up' options for fine-tuning the Tourlock 120.



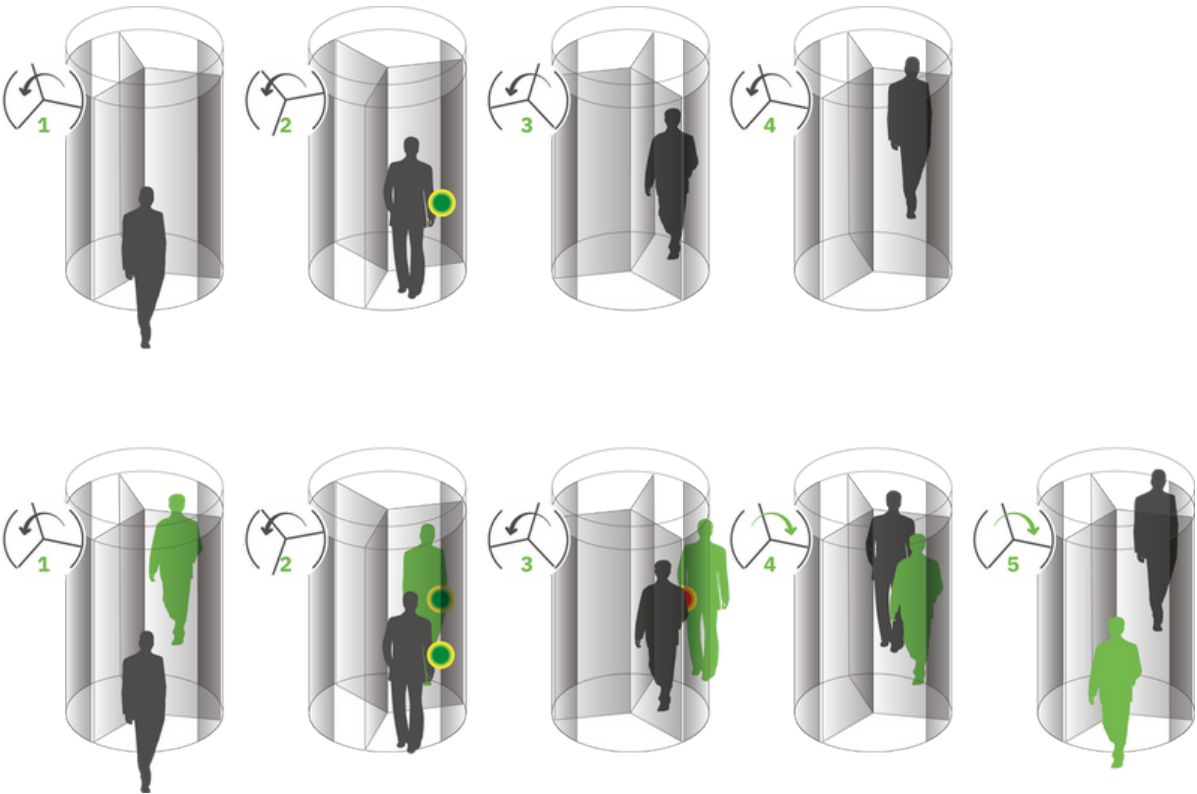
**Showing model with optional features.*

TECHNICAL SPECIFICATIONS

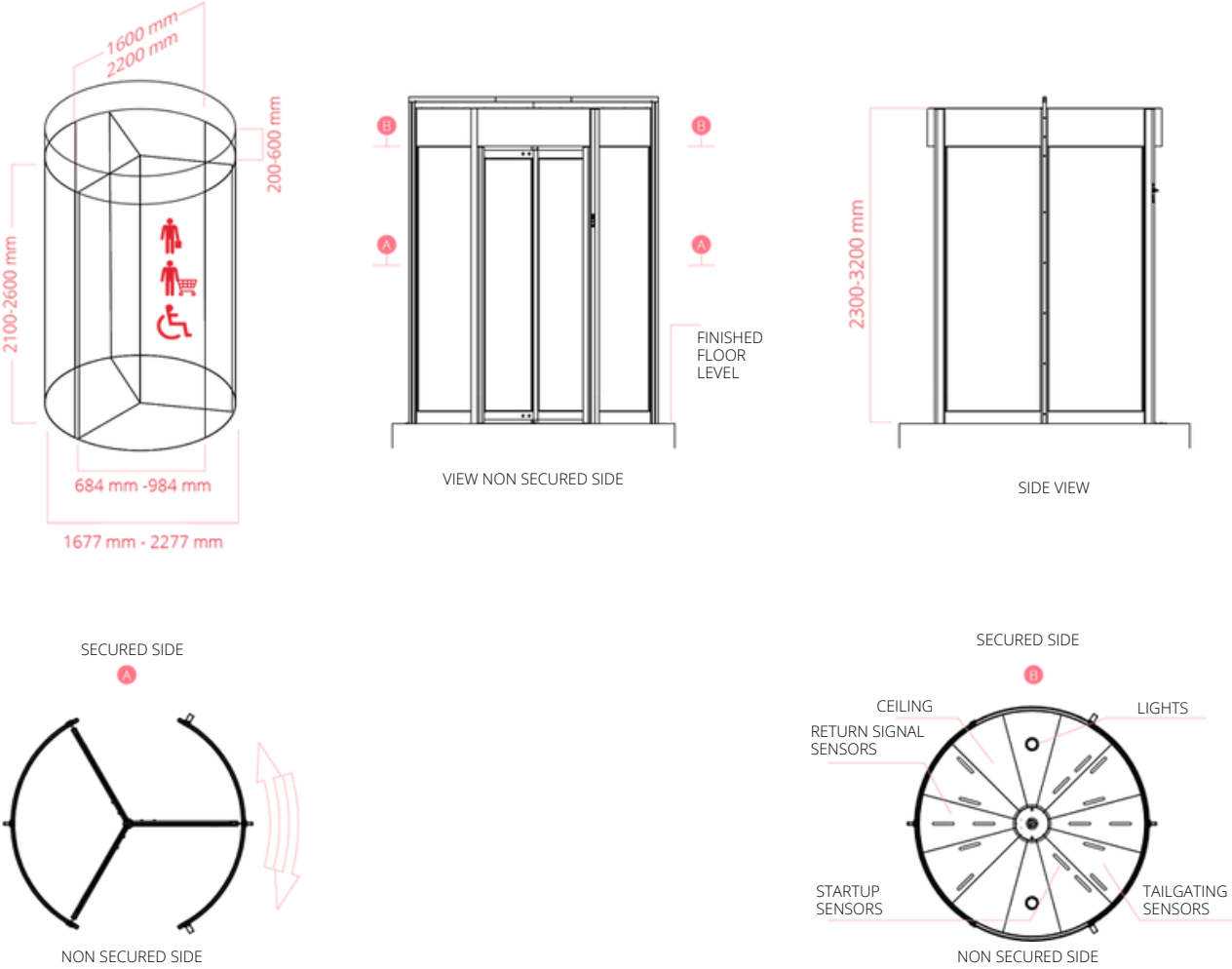
	THROUGHPUT	MOST POPULAR	VARIATIONS
	Throughput	15 People / minute in one direction	
	Diameter	1600 mm	1800 - 2000 mm in increments of 200 mm
	Height	2200 mm	Available between 2100 - 2600 mm in increments of 100 mm
	Canopy Height	200 mm	200 - 600 mm in increments of 100 mm
	Throat Opening	632 mm	732, 832 mm
	Number of Doors / Wings	3	
	Flow	Bi-directional, one direction at a time (sequential)	
	SECURITY	MOST POPULAR	VARIATIONS
	Tailgating Detection	Overhead sensor system	
	Piggybacking Detection*	Weight system One-way detection (on entry)	
	Biometric Authorisation	-	Facial recognition system
	Night Locking	-	Mechanical lock doorset Night locking doors
	SAFETY	MOST POPULAR	VARIATIONS
	User safety	SRB, SRD, SRT safety buffers	EBS safety sensor Collapsible doorset for escape routing
	Operation in case of power failure	Fail safe	Fail secure - Pull release to unlock doorset from secure side
	Operation in case of Fire Alarm	Configurable to release the Tourlock brake	
	Protection Packages (glass)	Vandal resistant safety glass (P2A)	Burglar resistant glass P5A / P6B Bullet resistant glass BR4NS
	AESTHETICS	MOST POPULAR	VARIATIONS
	Material	Power Coated Aluminium	Anodizing, stainless steel, brass
	Glass Panels	Glass decals	Tinted and low iron glass options
	Wrapping / Branding	-	Glass decals with logo
	TECHNOLOGY	MOST POPULAR	VARIATIONS
	Power Supply	110 - 240 V, 50 - 60 Hz	INTEGRATION OPPORTUNITIES: • BoonTouch External Control Panel • Card and tag readers Mobile / • Bluetooth readers • Facial and iris recognition • Touchless fingerprint and vein readers • Free-out sensor activation
	Operating Power	100W	
	Operating Temperature	-20°C to +50°C	
	Weight Access	900 kg	
	Control	I/O Dry contacts for virtually any access control system	
	COMFORT	MOST POPULAR	VARIATIONS
	Lighting and Sound	2x LED ceiling lights	Voice module Customised lighting possible
	Operating Modes	Cleaning mode	medium/high security and one-direction mode

*Piggybacking detection is an added option on the standard model.

WORKING PRINCIPLE



TECHNICAL DIMENSIONS





SERVICE AND MAINTENANCE

With hundreds of thousands of visitors passing through the entrance every day, uninterrupted and reliable operation is vital. Regular service and maintenance can prevent unexpected equipment failures. Monador's service and maintenance teams across Türkiye and neighboring countries have extensive experience with how local conditions affect the wear and tear of your entrance solutions. They offer customized service and maintenance contracts perfectly tailored to these conditions.

COMPLIANCE

Monador security entrances are trusted solutions that allow organisations to meet compliance regulations related to restricting access to areas within a building. We take compliance and safety very seriously and ensure that our products are manufactured, installed and maintained to keep up the strict criteria required in all our countries. We are always improving and committed to making sure our products are compliant and certified.

The Tourlock 120 complies with the following European Directives and Standards:

- Machine Directive 2006/42/EU
- EMC Directive 2014/30/EU
- RoHS Directive 2011/65/EU
- EN17352 - Safety functional and mechanical
- EN1063 – Bullet resistant package
- EN356 – Glass specification

CLIMATIZATION

The process of adjusting the temperature, humidity, cleanliness and air movement of a closed environment according to human health and comfort is called air conditioning. We know that our automatic door models, which combine advanced technology with research on human behavior and building environment, will contribute to sustainable and healthy buildings. With smart sensors, adaptive operating modes and connectivity, we can ensure that every building makes a difference and contributes to the future of green buildings.



EXPERIENCE AND KNOWLEDGE

Monador Automatic Door Systems Trade Inc. is the leading organisation that laid the foundations of the sector. With this understanding, we are proud to continue to provide the service of automatic sliding, magnetic sliding, revolving, security system doors, which we have been implementing in Turkey and the Middle East since 1988. As a result of the experience and knowledge we have gained, with our professional teams, we provide 24/7 service to our customers after sales or after assembly. Our products with superior technological equipment are provided to provide trouble-free service.

SERVICE & MAINTENANCE SUPPORT

Our periodic maintenance packages are **Platinum**, **Gold** and **Silver** presented in three categories.

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