



HIGH LEVEL SECURITY



BOON EDAM
YOUR ENTRY EXPERTS.

CIRCLELOCK SOLO.

THE ULTIMATE **SINGLE-ENTRY** SECURITY PORTAL

Offering the highest level of physical protection in a security entrance, the Circlelock Solo is the ultimate defence against intrusion into sensitive areas of a building. Ensuring only one authorised person enters at a time, high security portals eliminate the need for manned supervision or guards. The salary of a guard supervising a swing door or open walkway 24 / 7 / 365, therefore provides a return on investment in under a year.





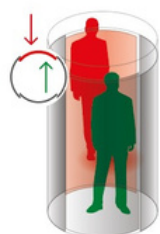
OVERVIEW

The Circlelock Solo high security portal can prevent any attempt to gain unauthorised access as well as confirming the identity of the user entering. The round, cylindrical compartment features two interlocking, automatic sliding doors. Upon authorisation, the first door opens allowing a user to enter the portal. Integrated sensors confirm the user is alone and if so, a signal is given to the second sliding door to open, completing the passage into the secure area. A secondary biometric system can be used to confirm identity once inside the chamber.

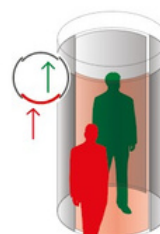
- **Contact mats:** the Circlelock Solo comes standard with a full zone contact mat which prevent tailgating in the same direction as well as in the opposite direction.
- **Weight system:** extra prevention against basic piggybacking can be provided by means of an accurate weight system which is embedded into the floor of the security portal.
- **One-way StereoVision:** optional one-way StereoVision is available as a 'Level Up' to provide additional advanced piggybacking prevention when users enter the secure area.
- **Two-way StereoVision:** with optional two-way StereoVision, organisations can provide additional advanced piggybacking prevention when users exit the secure area (in addition to entry).
- **Internal biometric post:** allows for mounting of an internal biometric device (by others) for two or multi-factor authentication capabilities. This ensures that the person who presents credentials outside the portal is the same person who is inside.

'LEVEL UP' THE SECURITY FEATURES

The Circlelock Solo comes with an array of possible security packages ranging from tailgating detection up to piggybacking detection. For those looking for the ultimate fortress, the most sophisticated available option is an overhead sensor system – called StereoVision that accurately detects and prevents piggybacking, or two users attempting to enter the portal on one authorised credential. Organisations looking to increase the security level of the Solo can also consider the following features:



**TAILGATING:
IN OPPOSITE DIRECTION**
DETECTION VIA CONTACT MAT



**TAILGATING:
IN SAME DIRECTION**
DETECTION VIA CONTACT MAT



PIGGYBACKING:
DETECTION VIA WEIGHT SYSTEM
AND STEREOVISION

A FLEXIBLE FORTRESS

While the Circlelock Solo typically allows just one authorised person to enter, based on approved and registered credentials, it can also support two-factor authentication: an identity verification technology (such as facial, iris, or hand scanner) can be mounted on an interior post inside the portal to confirm that the person is alone and the right person. The cutting-edge technologies at work within this product ensure you and your valuables peace of mind.

A WORLD OF SECURITY INTEGRATION OPPORTUNITIES

We know the role our portal plays is just a part of the bigger security picture and we have researched at length ways to ensure easy and effective integration opportunities for our clients who decide on installing our Circlelock Solo. This is over-and-above the already built-in technology which scans and accurately detects person/s using advanced sensors and weighted flooring. Additional measures are available to level up the security even further, as your project demands it.

KEY FEATURES

- Space efficient cylinder compartment with an interlocking door system for accurate tailgating detection
- Anti-piggybacking system (StereoVision – one or two- way)
- Working principle supports bi-directional traffic, multi- factor authentication
- Self-managed – no manned supervision required
- Steel floor construction facilitating mounting on a computer floor
- Onboard user communication system (integrated visual and audio feedback signalling)
- Seamless integration and feedback with access control systems, biometric devices and building management systems
- Fail-safe operation as standard, fail-secure optional
- Support for emergency egress (subject to local regulations)
- Supervised disabled entry is possible

KEY BENEFITS

- Highest security protection
- Reduced / eliminated guard salary = quick ROI
- Expanding on an existing design means lower renovation costs due to floor and wall mounting construction
- Long life, easy to maintain and troubleshoot

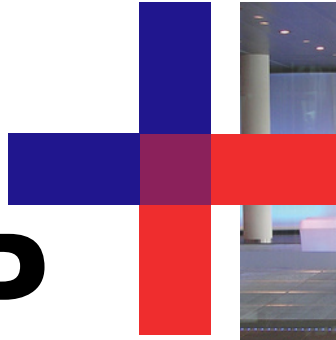
SUGGESTED SEGMENTS

- Data centres
- Financial
- Insurance
- Medical / pharmaceutical
- Government / military
- Airports
- Prisons
- Museums
- Archives
- Casinos

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 Circlelock Solo.



TECHNICAL SPECIFICATIONS



THROUGHPUT

STANDARD

LEVEL UP OPTIONS

Throughput 5 - 6 people per minute

Diameter 1000 mm 1500 mm

Height 2200 mm Available between 2100 - 2600 mm in increments of 100 mm

Canopy Height 200 mm Available between 200 - 600 mm in increments of 100 mm

Throat Opening 584 mm 937 mm

Number of Doors / Wings 2

Flow Bi-directional, one direction at a time



SECURITY

STANDARD

LEVEL UP OPTIONS

Tailgating Detection Contact mat Overhead sensor system

Piggybacking Detection Weight system StereoVision

Security Direction One-way detection Two-way detection available

Biometric Authentication - Two-factor or multi-factor authentication possible.



SAFETY

STANDARD

LEVEL UP OPTIONS

Emergency Egress No Battery back-up (Subject to local regulations)

Operation in case of power failure Fail secure Fail secure - Pull release opens fail secure door from secure side

Operation in case of Fire Alarm Option to configure to open or close on fire alarm Fail secure - Pull release opens fail secure door from secure side

Protection Packages (glass) Vandal resistant Burglar-resistant RC3 package Bullet-resistant package BR4NS



AESTHETICS

STANDARD

LEVEL UP OPTIONS

Material Power Coated Aluminium Anodizing, stainless steel, brass

Glass Panels Laminated safety glass (P2A) Vandal-resistant Burglar-resistant glass P5A / P6B Bullet-resistant glass BR4NS

Wrapping / Branding Not as standard Glass decals with logo



TECHNOLOGY

STANDARD

LEVEL UP OPTIONS

Power Supply 110 - 240 V, 50 / 60 Hz

Operating Power 65W - Operating 45W - Stand-by

Operating Temperature -20°C to +50°C

Weight 750 kg

Access Control Dry contacts for virtually any access control

TOUCHLESS INTEGRATIONS:

- BoonTouch External Control Panel
- Card and tag readers
- Mobile / Bluetooth readers
- Facial and iris recognition
- Touchless fingerprint and vein readers
- Free-out sensor activation



COMFORT

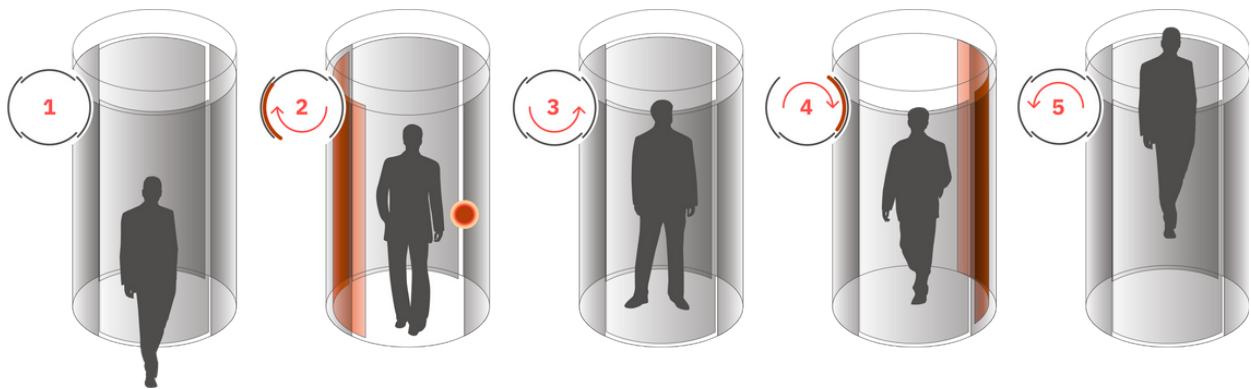
STANDARD

LEVEL UP OPTIONS

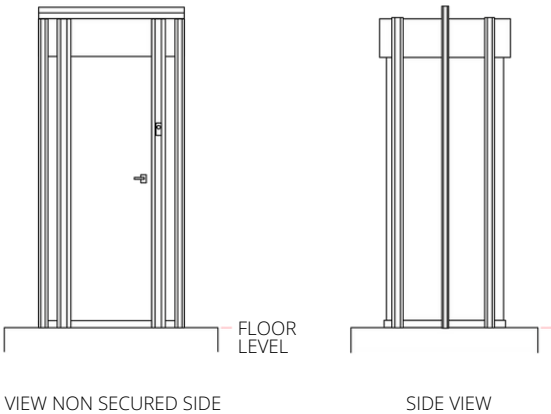
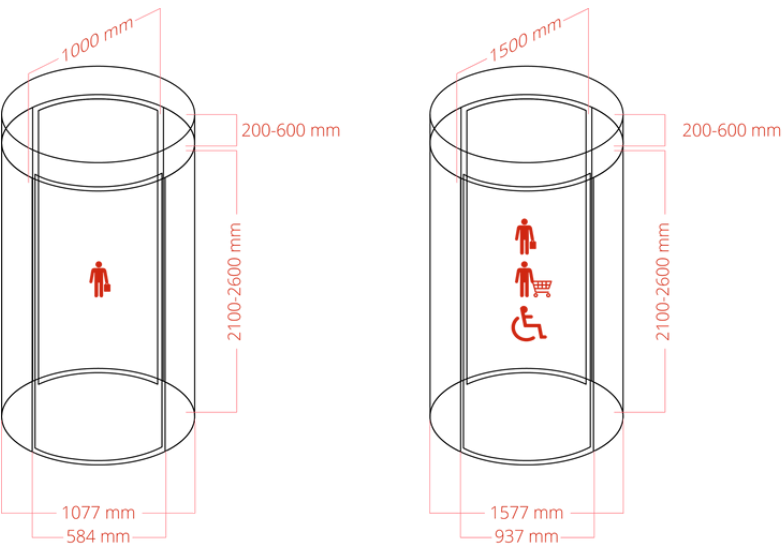
Disabled Access - Supervised entry possible, Interlocking overruled

Lighting and Sound 2x LED ceiling lights Voice module Customised lighting possible

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 Circlelock Solo complies with the following European standards:

- Machine Directive 2006/42/EC
- EMC Directive 2014/30/EC
- RoHS Directive (2011/65/EU)
- EN1627 – Burglar resistant package
- EN1063 / EN1522 – 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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