

Circlelock



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If security at a secondary or remote entrance is a prime concern, then the Circlelock security portal can help put your mind at ease. The Circlelock helps control access into and out of your facility, or selected area within your facility. Its unique design allows for authorized traffic only, one person at a time. The larger Circlelock can even accommodate a wheelchair. This avoids the security compromise which may occur in order to allow the disabled access to a secured area.

Regardless of the security settings you choose, you can rest assured that proper authorization will be required to pass through the Circlelock.

The Circlelock remains locked when not in use. The integration of an external card reader or biometric device of your choice provides the signal to activate the Circlelock and automatically slide open the first door panel. After stepping inside, a combination of overhead and/or floor mounted sensors ensure that only one person is inside, then automatically closes the first door and opens the second door.

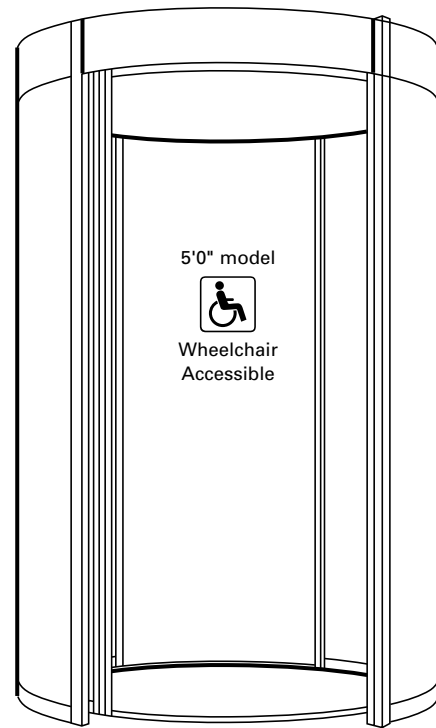
The Circlelock provides a secured access point and does it at a substantially lower cost than traditional manned stations. It also does it

without the problems associated with manned stations, such as low attention span and absenteeism.



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Circlelock



If a person approaches the Circlelock without authorization, from either direction, the door leaf in front of them will remain locked.

The larger Circlelock is large enough to accommodate wheelchair traffic as well as pedestrian traffic.

Construction

The Circlelock is fabricated from anodized aluminum extrusions and 1/4" tempered safety glass. Optional finishes include: painted or powder coated aluminum, stainless steel and brass cladding. Laminated safety glass or bullet resistant glass is also available as an option.

The drive system consists of two AC motors with Frequency Controllers. A 208V, single phase service is required. The frequency controls allow for independent, digital settings for door speeds and motor torque. This ensures proper settings for each environment.

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



Basic Operation

In the rest position the doors of the Circlelock are closed and locked. One door leaf is activated by an external card reader or other access control device. As soon as someone has entered, the internal security system checks whether there is indeed only one person inside. Once all security criteria have been met the first door leaf closes and the second one opens immediately so that the authorized person is allowed access to the secured area.

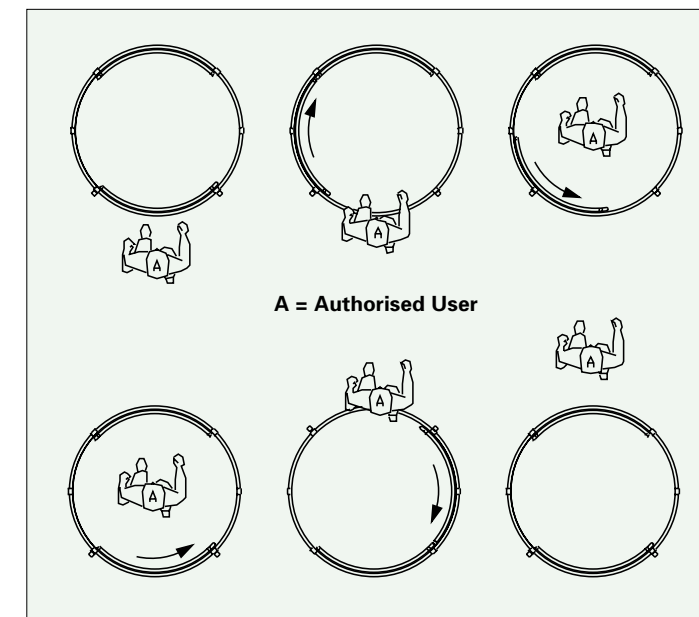
The weight sensor system within the Circlelock helps prevent an authorized person from escorting a second person through on a single authorization. When this is attempted, the alarm will sound and the second person will have to exit. Only after the second person has exited will the Circlelock complete the cycle.

Although simultaneous inbound and outbound traffic cannot be accommodated, the Circlelock can allow for two-way traffic and provide a maximum recommended traffic capacity of approximately 5-6 persons per minute.

Safety

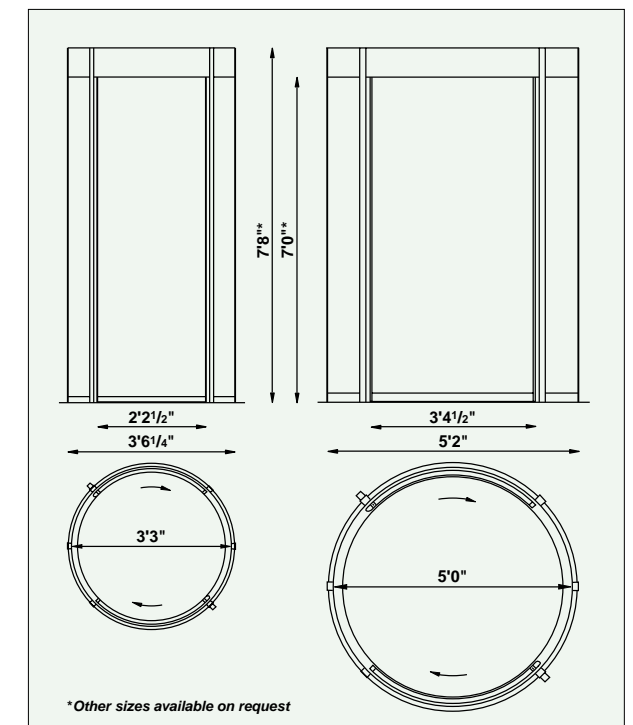
The standard Circlelock is programmed to be fail-safe and allow for emergency egress when necessary. The electric locking devices are released upon signal from the building alarm system and the door leaves automatically slide open. Optional fail-secure programming is available to ensure that only one door leaf remains locked, preventing entrapment but providing security.

Compressible contact switches are installed on the end of the curved side walls and will stop the door's movement upon compression.



Interfaces With All Access Control Devices:

- Card Readers
- Proximity Readers
- Fingerprint Readers
- Hand geometry Readers
- Iris Scanning Devices
- Retina Scanning Devices
- Voice Recognition
- Numeric Keypads
- Keyswitches
- Remote Control Panels
- CCTV



All material is correct at time of press, but is subject to change in line with our policy of continuous product development.