

1 Description

1.1 Description of the manual revolving door

The system consists of three or four turnstile wings. They can be operated manually by horizontally or vertically mounted handles. The recommended direction of rotation is usually counterclockwise.

The turnstile can be locked individually by different locking systems. An optional night shield can be mounted on the system.

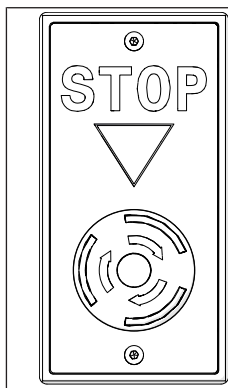
The ceiling lighting is usually controlled by an on-site light switch or a building management system.

Depending on the equipment a speed control brake is integrated. If the rotation speed of the system is too fast, caused by persons or wind, the speed control brake can be used to limit the speed to the preset value.

1.2 Description of the automatic positioning door

The revolving door has an automatic drive system. In the AUTOMATIC operating mode the turnstile can be started with a manual push. If no further people pass through the revolving door, the revolving door will rotate back to the start position at slow speed via an electric motor and then come to a standstill. Safety sensors prevent hazardous movement and stop the turnstile in time.

1.3 Emergency stop button



When the emergency stop button is pushed the rotating turnstile is stopped immediately, the turnstile is released and can be rotated manually.

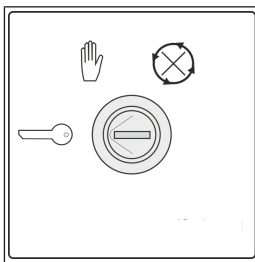
After resetting the emergency stop button, the preset operating mode will continue.



NOTICE

The turnstile cannot be turned manually on a subfloor door with a geared motor!

1.4 Key-operated switch of the automatic positioning door



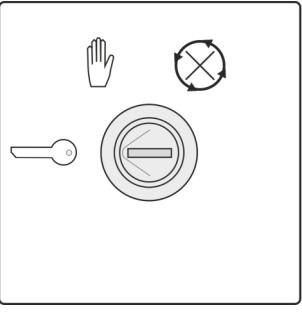
The operation modes OFF-MANUAL-AUTOMATIK can be set with the key-operated switch.

2 Operation

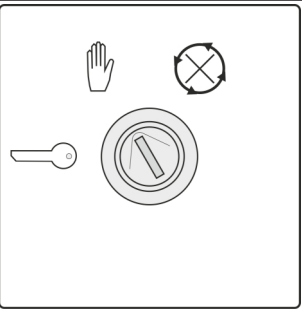
2 Operation

2.1 Operating modes of the automatic positioning door

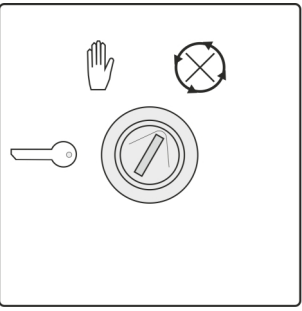
2.1.1 OFF operating mode

	Locked in the start position: The revolving door is off. If the key-operated switch is turned to the OFF position while the turnstile is rotating, it will continue to rotate until it has reached the start position. In the start position the turnstile is electromagnetically locked by an integrated motor brake. Additional lock modes are available (see Turnstile Electric Locks or Mechanical Locks)
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2.1.2 MANUAL operating mode

	In MANUAL operating mode the turnstile can be manually rotated. In order to switch to AUTOMATIC OPERATION the door control must be normalized. To normalize the key-operated switch must be briefly turned to the OFF position and back to the AUTOMATIC position. Then you must rotate the turnstile manually to the start position. The turnstile will start and complete one rotation at slow speed. Now the revolving door is operational again.
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2.1.3 AUTOMATIC operating mode

	Start rotation from the start position: The turnstile can be rotated manually in counterclockwise direction. Once the manual rotation is complete the turnstile will rotate independently at slow speed back to the start position and come to a standstill.
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2.2 Normalization

To carry out operation of the revolving door, it is necessary to cancel the electronic restart lock on the door through normalization. This is required in the following situations:

- After power is restored
- After resetting the EMERGENCY-STOP-switch
- After the system is shut down by the overpower pressure control
- After switching from MANUAL to AUTOMATIC operating mode
- After moving the night shield (if available)

To cancel the electronic restart lock, the key-operated switch must be turned to the OFF operating mode briefly and then back to AUTOMATIC.

Then the turnstile must be manually rotated to the start position. The turnstile starts in the preset speed and rotates one full rotation back to the start position. The normalization process is finished, the turnstile is operational.

3 Malfunctions

3.1 Conduct during malfunctions



IMPORTANT

If malfunctions that endanger the safety of individuals occur, the system must be turned off. It may not be turned back on until the problem has been resolved by a professional and the danger no longer exists.

3.2 Tips for troubleshooting

Malfunctions	Causes	Solutions
No door function / power failure	– Power failure – Mains supply line interrupted – Fuse defective – Main switch off	– Check mains supply – Check main switch – Contact Service
Door will not lock	– Door is not quite in the locked position	– Push the door into the locked position
Door does not open	– Locking is stuck or jammed – Locking device defective	– Manual unlocking – Contact Service
Door does not close	– Obstacle in the protection area	– Remove obstacle – Contact Service
Power failure	– Fuse is blown – Fuse is defective – Main switch is off	– Check fuse – Check power supply – Check main switch