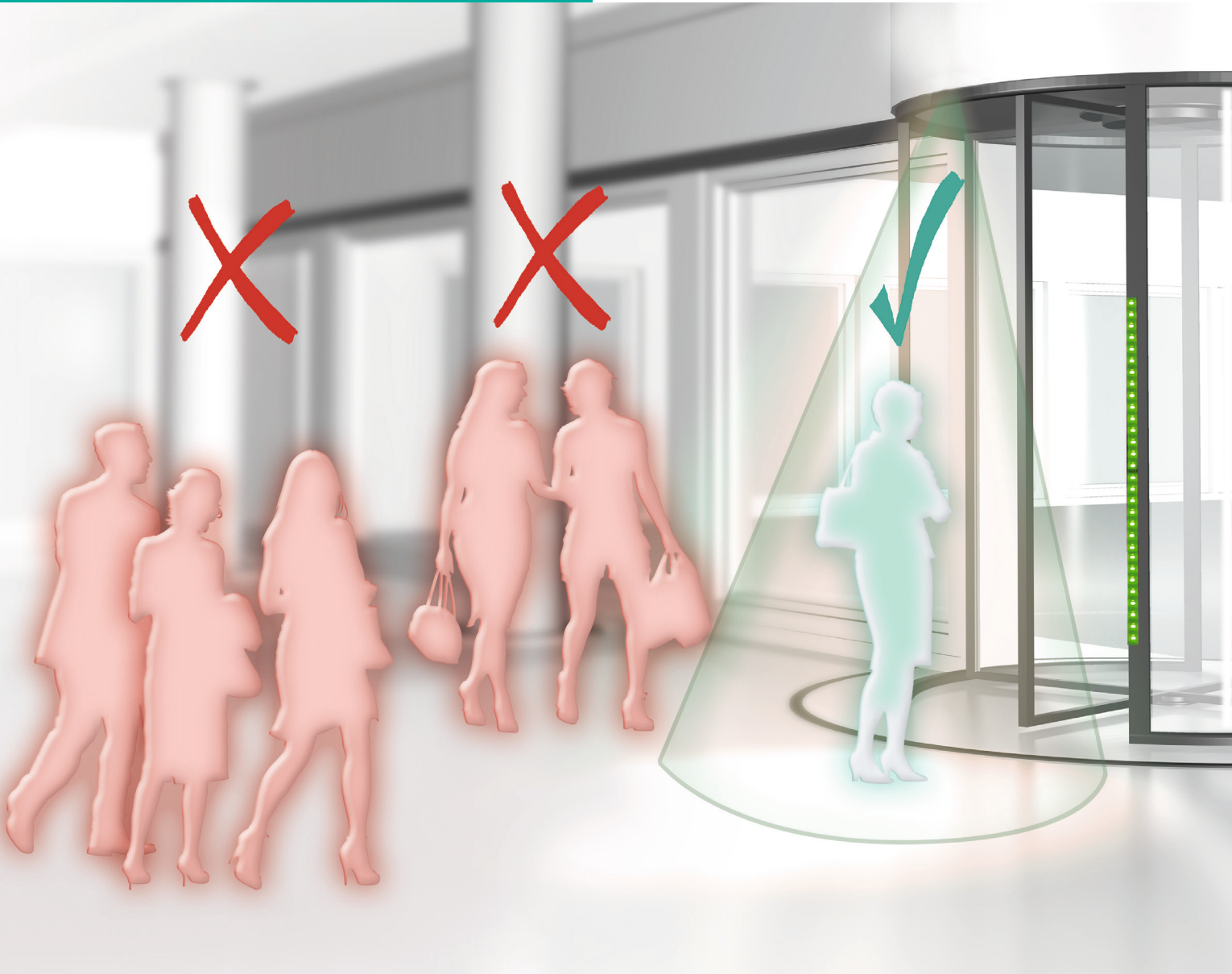
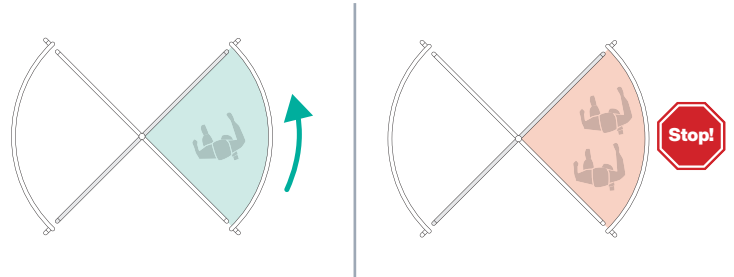


System Solutions for Access Control – Outer Entrance System

OnlyOne SCO –
Fast Separation

Optimum Safety in the Protected
Area | High People Throughput |
Optimized for Retrofit Business



OnlyOne SCO – Fast Separation

Safe Separation of Groups of People at High Throughput Rates

In many cases, access to certain areas, such as outer entrance facilities, is subject to a specific security requirement. Among other things, revolving carousel or lattice doors are used here, which may only be passed through individually. The OnlyOne SCO System from Sensotek ensures safe separation of people – with a focus on high volumes of people passing through.

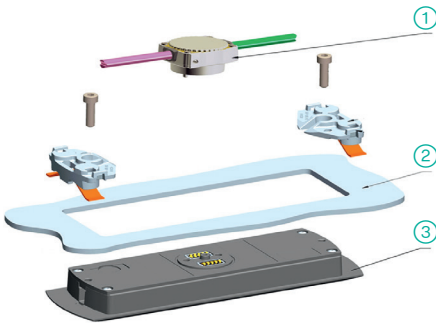
Thanks to its overhead mounting position, the 3D-ToF sensor allows the complete monitoring of the gate area via an access control system without interfering obstacles. Establishing the presence of one or more persons enables the release or rejection.

Likewise, objects or persons located in the system's proximity are reliably detected and can block the system function. Covering the sensor leads to a sabotage message, which can be evaluated separately or combined.



Installation

Mounting can be adapted to the installation conditions.



- ① sCON-S System connector
- ② Door cover
- ③ Installed sensor

Converter Box

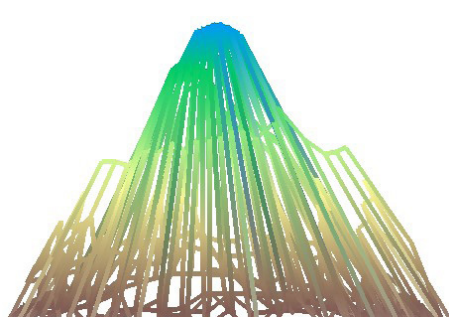
Digital output signals for easy connection with door control.



- Binary I/O
- Easy setting
- Potential-free relay contacts
- Semiconductor outputs
- 24 V DC

Analysis

Characteristic height profile of a person as seen by the sensor.



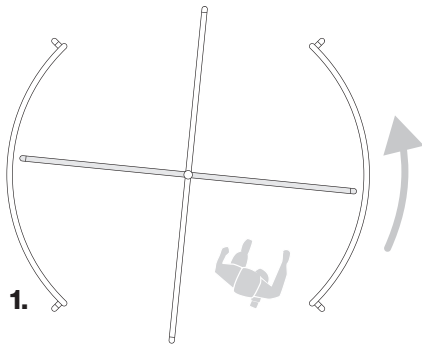
- Dynamic recording of objects
- Analysis of the recorded height profile
- Recognition of one or more persons
- No personalized data, no inference to individual person

Features

- 3D-ToF sensor with special application firmware for fast separation
- 3D image capture with true distance and contour information: detects people based on their height profile and movement behavior
- The Time-of-Flight (ToF) technology uses infrared light for independence from changing ambient light or temperature fluctuations
- Reliable and worldwide approved technology for people separation
- Various interfaces: binary I/Os with potential-free switching contacts or semiconductor outputs, Ethernet, CAN bus
- Installation height: 2.00 m – 2.40 m

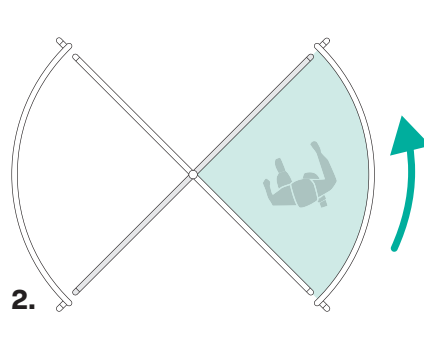
Mode of Operation

The sensor analyzes the 3D surface contour in the detection field and recognizes people based on their height profile.



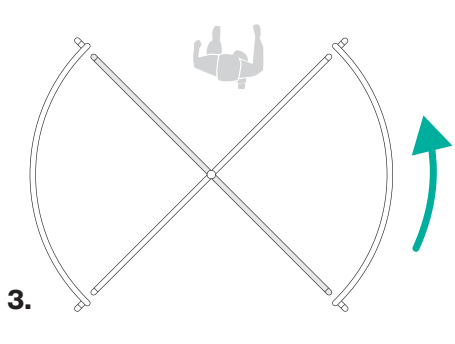
1. One person enters the revolving door system:

➡ The door begins to revolve.



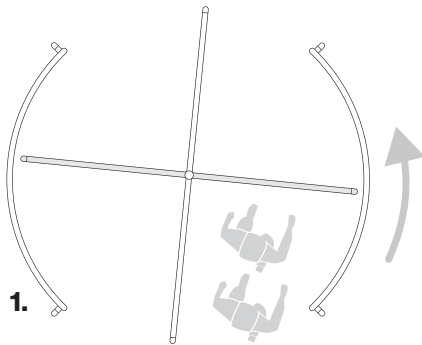
2. The person is detected:

➡ The door continues to revolve in the desired direction.



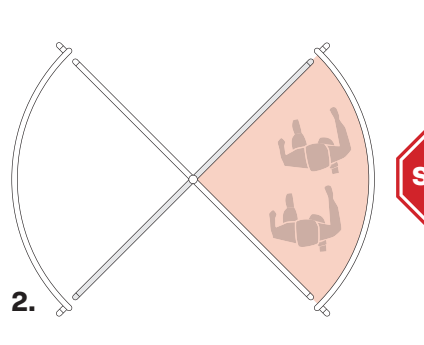
3. The door continues to revolve in the desired direction:

➡ The person can leave the revolving doors system in the desired direction.



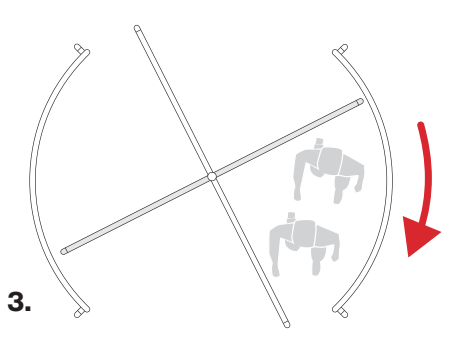
1. Two persons enter the revolving door system:

➡ The door begins to revolve.



2. Two persons are detected:

➡ The door stops revolving.



3. The revolving process is reversed:

➡ The two persons must leave the revolving door system at the point of entry.

Highlights:

- 3D-ToF-Sensor optimized for separation solutions
- No inclusion of personalizable (image) data of the respective person – DSGVO-compliant (General Data Protection Regulation)
- Compact data processing runs completely inside the sensor
- Practically independent of environmental influences
- Adaptable to a wide range of door system types and sizes
- Simplest integration into existing systems thanks to the provision of all common interface variants - retrofit suitable
- Particularly functional solution for maximum secure separation with simultaneous high throughput rate of people via the access control system

Technical Data

Function display	ACC: LED green REJ: LED red Status: LED red Sabotage: LED red
Operating voltage	24 V DC +/- 10%
Amperage (24 V)	< 100 mA
Signal output	ACC, REJ, SAB; semiconductor & relay
Signal input	2 x PNP
Connection	Screw terminals, 4-pole and 5-pole
Dimensions	(H x W x D) 115 x 100 x 45 mm

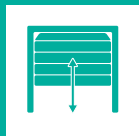


OnlyOne - Fast Separation System
Art. Nr.: 403-0010

Your Specialist in the Field of Entrance Automation for the Following Market Segments:



Door Automation



Gate Automation



Elevators



Escalators



Barriers



People Counting



Security



Fire Protection



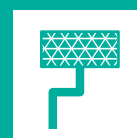
Perimeter Security



Public Transport



Traffic Engineering



Smart Accessories



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