



sensing the future



TopScan

Active infrared presence detector for automatic swing and revolving doors

Slimline and quick to install

- Smallest presence detector in its class
- User-friendly, robust and easy handling
- Easy installation with significantly reduced installation time
- Scanning range, easy to use and adjustable without tools

TopScan

Active infrared presence detector for automatic swing and revolving doors

Reliable protection

The TopScan presence detector is used for reliably detecting stationary and moving objects. As such, its main task is to prevent any contact with the moving doors, whether it be from people, animals or objects. However, it may also be used as an opening sensor.

Modern, versatile design

This product stands out not only by boasting the smallest design in its class, but also by virtue of its practical installation concept. An easy and quick installation saves time and takes the hassle out of the process. Its elegant aluminium profile is naturally available in a number of colours and suits every door design. The sensor is available in the required lengths and features a varying number of beams.



Your benefits

Rapid installation and start-up

- No tools whatsoever are required for set-up and calibration

- Easy calibration of scanning range with the adjustment wheel



- Precise detent of the inclination angle with angle details on the support



- Patented support makes for robust handling – in no small part due to the non-slip fixing screw

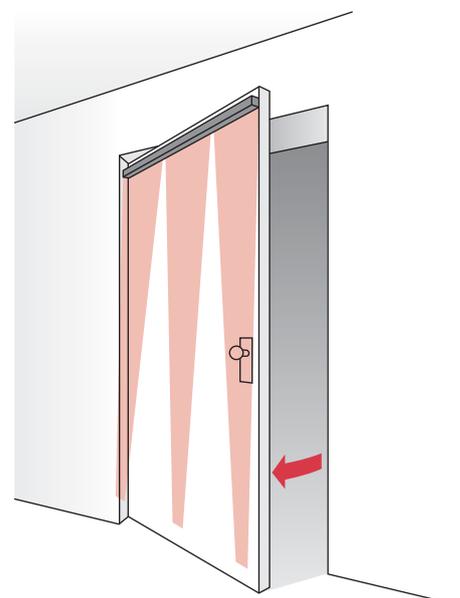


At a glance

- Smallest presence detector in its class, fits into any door design
- Can be quickly and flexibly adapted to suit applications with ease: adjustment wheel for the scanning ranges and DIP switches for the operating modes
- Suitable for every application: the TopScan length and number of AIR modules can be selected to suit your requirements
- Impervious to environmental influences (snow and water). The background can be masked
- Robust mechanics: installation possible even in harsh industrial environments
- Easy and hassle-free installation
- Significantly reduced installation time

Area properties

- Field with 1 beam per optical unit, diameter approx. 75 mm with a mounting height of 2 m
- Short reaction time (< 30 ms)
- Height up to 2.7 m



Extended accessories



Individual TopScan components, such as the optical unit and various profiles, are available at any time. The two door loop sets DLP 6 Box and Door Loop ensure that the connection to the wall is neat.



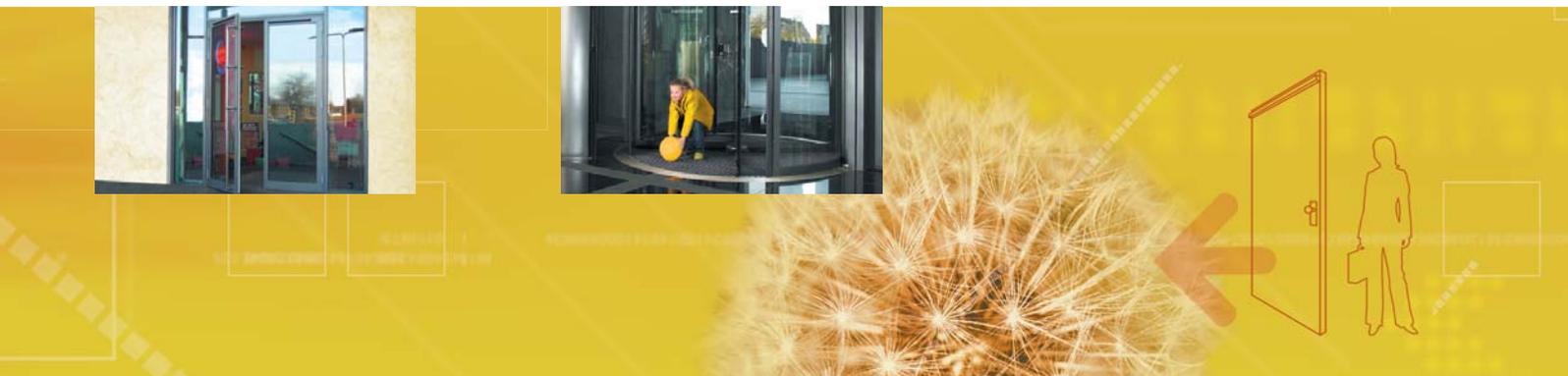
DLP 6 Box
Door loop set with wall box



Door Loop
Door loop set with wall mounting piece



RPT
Rain cover



Reliable in every application

Situation

Danger points on a swing door

Solution

- Optimum protection from getting trapped on primary and secondary closing edges

Advantages

- The TopScan settings facilitate maximum protection for all edges
- Can be installed when moving or stationary



Situation

Access via a swing door

Solution

- As well as ensuring that the primary and secondary closing edges are protected, the product also provides optimum security for the entire door panel

Advantages

- The right device for every door: length and number of sensors can be chosen to suit your requirements
- TopScan settings facilitate maximum protection for all edges



Situation

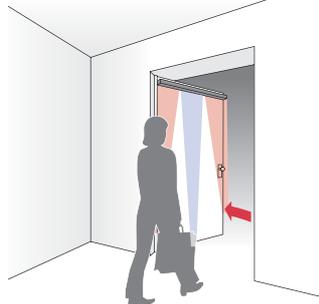
Activating and protecting a swing door

Solution

- Use the TopScan unit as an opener. Other AIR modules, for example, can be used in combination with this product to provide protection

Advantage

- Open and protect with a single TopScan unit!



Situation

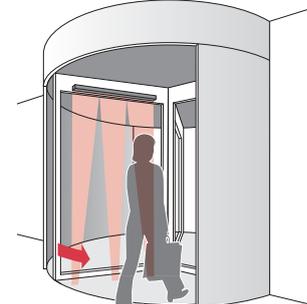
Access via a revolving door

Solution

- Moving collision protection on revolving doors

Advantages

- Contactless detection of obstacles
- Collision prevention in good time



Order details

Article no.	Description	Sensor / dimensions	
289835	TopScan 1.350 silver	1	
289838	TopScan 1.350 black	1	
289839	TopScan 1.350 white	1	
212303	TopScan 1.750 silver	1	
212312	TopScan 1.750 black	1	
212323	TopScan 1.750 white	1	
212304	TopScan 1.900 silver	1	
212314	TopScan 1.900 black	1	
212325	TopScan 1.900 white	1	
212307	TopScan 1.1000 silver	1	
212317	TopScan 1.1000 black	1	
212328	TopScan 1.1000 white	1	
212309	TopScan 1.1400 silver	1	
212319	TopScan 1.1400 black	1	
212330	TopScan 1.1400 white	1	
212302	TopScan 2.750 silver	2	
212313	TopScan 2.750 black	2	
212324	TopScan 2.750 white	2	
212306	TopScan 2.900 silver	2	
212315	TopScan 2.900 black	2	
212326	TopScan 2.900 white	2	
212310	TopScan 2.1400 silver	2	
212320	TopScan 2.1400 black	2	
212331	TopScan 2.1400 white	2	
212305	TopScan 3.900 silver	3	
212316	TopScan 3.900 black	3	
212327	TopScan 3.900 white	3	
212248	Print AIR 16 re Optical unit incl. mounting clamps		
212354	DLP 6 Box, door loop set Box and loop tube, length max. 600 mm, inner diameter max. 6 mm, material plastic, colour black		
220535	Door Loop, door loop set Wall adaptor and loop tube, length max. 600 mm, inner diameter max. 6 mm, material plastic, colour black		
225452	Scan front cover	3350 mm	
219910	Scan silver aluminium profile	3350 mm	
247969	Scan black aluminium profile	3350 mm	
247966	Scan white aluminium profile	3350 mm	
247970	Scan unpainted aluminium profile	3350 mm	
297705	Scan cap set black End cover set, black		
297706	Scan cap set white End cover set, white		
213370	G3 support		
243025	RPT rain cover 17 m roll		

Supplementary products

Activates automatic doors

Microwave motion sensor Merkur 2 with electronically adjustable field



Protects primary closing edges in revolving doors

SpotScan light scanner with scanning height of up to 3 m



Protects swing doors (compliant with DIN 18650)

UniScan prevents contact with automatic swing doors



Technical data

Mechanical data

Housing material	Aluminium
Front cover	Plexiglas PMMA (black)
Weight (without housing)	45 g
Sensor dimensions	198.5 x 31 x 20 mm
Connection type	Plug-in screw terminal

Technological data

Technology	Infrared, pulsed 880 nm, triangulation principle
Mounting height	1.70–2.70 m
Detection area	100–2500 mm (stationary) 500–2500 mm (moving)
Response time on detection	Approx. 30 ms

Electrical data

Supply voltage	17–30 V DC 18–28 V AC
Current consumption	< 110 mA
Test input	With +UB = 17–30 V DC (stationary only)
Response time with test signal	max. 500 ms
Output	Relay, changeover contact 48 V AC/DC, 0.5 A AC / 1 A DC 55 VA / 24 W
Drop-out time after detection	max. 150 ms (stationary) max. 2 s (moving)

Ambient conditions

Protection class	Suitable for use in acc. with IP54
Operating temperature	–20 °C to +60 °C
Air humidity	< 95 %, non-condensing

Standards

Immission	EN 61000-6-1 EN 61000-6-2
Emission	EN 61000-6-3 EN 61000-6-4

Note

Technical details and recommendations concerning our products are based on experience and are an aid for the orientation of the user. Details stated in our brochures and data sheets do not guarantee special properties of the products. This does not apply to special product properties confirmed by us in writing or individually. Subject to technical alterations.

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