

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.

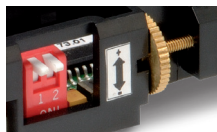


Your benefits

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

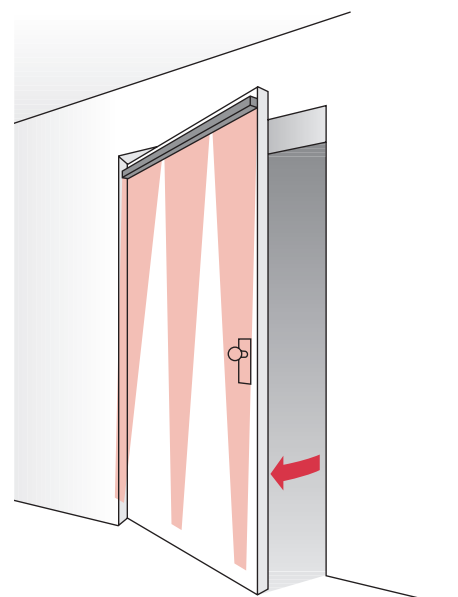


At a glance

- 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



Reliable in every application

Situation

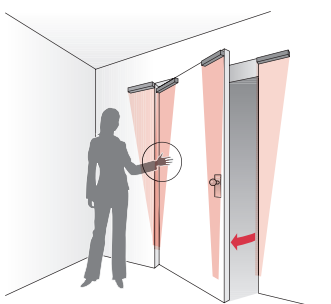
Danger points on a swing door

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

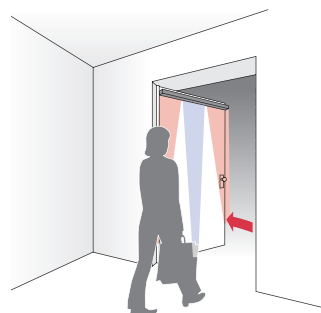
Activating and protecting a swing door

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

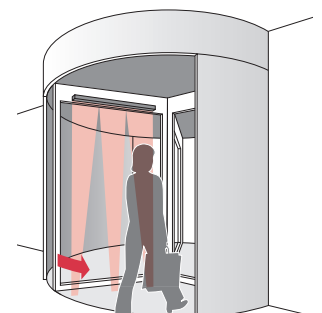
Access via a revolving door

Solution

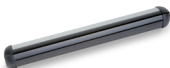
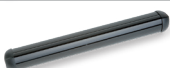


- Moving collision protection on revolving doors

Advantages

- Contactless detection of obstacles
- Collision prevention in good time



Order details

Article no.	Description	Sensor / dimensions	
289835	TopScan I, 350 mm, silver	1	
289838	TopScan I, 350 mm, black	1	
289839	TopScan I, 350 mm, white	1	
212303	TopScan I, 750 mm, silver	1	
212312	TopScan I, 750 mm, black	1	
212323	TopScan I, 750 mm, white	1	
212304	TopScan I, 900 mm, silver	1	
212314	TopScan I, 900 mm, black	1	
212325	TopScan I, 900 mm, white	1	
212307	TopScan I, 1000 mm, silver	1	
212317	TopScan I, 1000 mm, black	1	
212328	TopScan I, 1000 mm, white	1	
212302	TopScan II, 750 mm, silver	2	
212313	TopScan II, 750 mm, black	2	
212324	TopScan II, 750 mm, white	2	
212306	TopScan II, 900 mm, silver	2	
212315	TopScan II, 900 mm, black	2	
212326	TopScan II, 900 mm, white	2	
212305	TopScan III, 900 mm, silver	3	
212316	TopScan III, 900 mm, black	3	
212327	TopScan III, 900 mm, 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		
212356	Door Loop, door loop set Wall adaptor and loop tube, length max. 600 mm, inner diameter max. 6 mm, material metal, colour black		
213091	Flat cable 300	300 mm	
213094	Flat cable 350	350 mm	
213095	Flat cable 450	450 mm	
213092	Flat cable 600	600 mm	
213093	Flat cable 900	900 mm	
312206	Flat cable 1200	1200 mm	
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	
297705	Scan cap set black End cover set, black		
297706	Scan cap set white End cover set, white		
213370	G3 support		

Technical data

Mechanical data

Housing material	Aluminium / ABS
Front cover	Polycarbonate black (PC)
Weight (without housing)	45 g
Sensor dimensions	198.5 × 31 × 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, 50/60 Hz
Current consumption	TopScan I: max. 110 mA TopScan II: max. 220 mA TopScan III: max. 330 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	IP54 (IEC 60529)
Operating temperature	–20 °C to +60 °C
Air humidity	Max. 95% relative, 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.

BBC Bircher Smart Access

Wiesengasse 20
8222 Beringen
Switzerland
Phone +41 52 687 11 11
info@bircher.com
bircher.com