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Reglomat

sensing the future

UniScan

Infrared Presence Detector for automatic Swing Doors and Revolving Doors in accordance with EN 16005 and DIN 18650

Practical, flexible, slender

- **Fully automated starting up:** quick and easy via keystroke

- **Automatic mounting height detection:** saves time and facilitates installation

- **Top design:** the smallest sensor in its category

- **Individually adjustable AIR points:** for perfect adaptation to the local situation

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UniScan

Active Infrared Presence Detector for automatic Swing Doors and Revolving Doors in accordance with EN 16005 and DIN 18650

Highest level of safety for everyday operation

Safety for every entrance – UniScan provides safety wherever people enter and exit every day. The UniScan's dense detection field offers the greatest possible protection, even for small children and people with impaired mobility.

Quick and easy installation

UniScan will convince you not only due to its high level of safety, but it also reduces the installation and start up time. All it takes is one keystroke and the device is taught and set – fully automated. Thanks to its slender and elegant design with small dimensions, the sensor is unobtrusive and can also be used when space is at a premium.

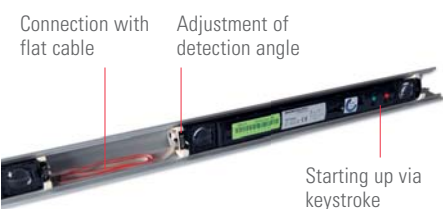## Your advantages

Quick installation and starting up

■ Several sensors are simply connected by means of a flat cable
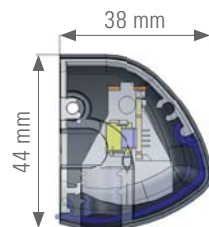
■ No tools needed to adjust mechanical settings

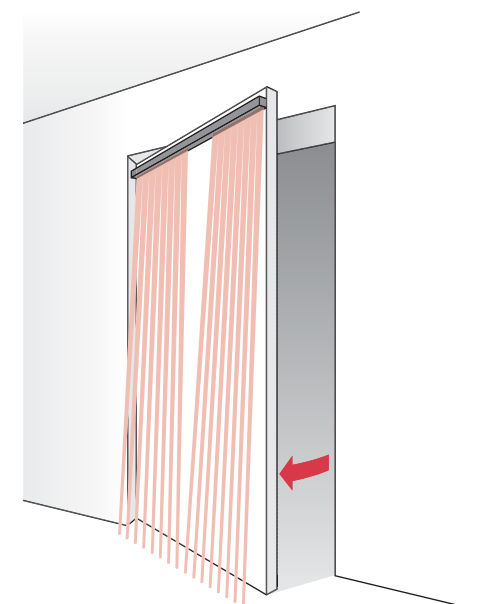■ Automatic startup at the push of a button, LED display

Universal creation

■ Testing method can be chosen in accordance with the respective drive types
■ The detection height above ground can be adjusted between 10 cm and 100 cm
■ No interference through synchronisation of the optics
■ Individual turning off of single beams

Compact dimensions

38 mm

44 mm

Field characteristics for more safety

■ Close array of beams (471 x 58 mm at 2.2 m mounting height) with 8 beams and very short reaction time (< 50 ms)
■ Mounting height up to 3.0 m
■ Power saving mode (DIN 18650-compliant)

Connection with flat cable

Adjustment of detection angle

Starting up via keystroke

Extended accessories

Single components of the UniScan, such as the optical unit US beam and various profiles, are available at all times. An additional remote control enables sensors that have already been installed to be adjusted. The Y-Adaptor offers a simple cabling solution with only one cable for two sensors on both sides of the door. The two door loop sets DLP 6 and Door Loop provide a clean connection to the wall.

US beam	RegloBeam 2	Y-Adaptor	Flat cable	DLP 6 Box	Door Loop
Optical unit	Remote control	Connection of two UniScans	Flat cable for the connection of US beams	Door loop set with wall box	Door loop set with wall mounting piece

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UniScan door set

Set for security
UniScan is also available as a user-friendly door set.

User-friendly, complete and clear
All components are supplied in a single package: the individual parts are clearly arranged. This provides you with everything you need to secure a door at your fingertips.

Quick installation and startup without tools
The Y adapter clips into profile. Thanks to its practical plug-in design, both sides of the door can be connected based on the plug'n'play principle. The profile end covers are also pluggable and can be assembled without tools.

Safety for every application

Situation
Access via a swing door

Solution
- The main and secondary closing edges are monitored on both sides of the door for optimum protection of the entire door swing to avoid collisions
- Due to short reaction time, door movements remain smooth

Advantages
- UniScan perfectly secures all edges
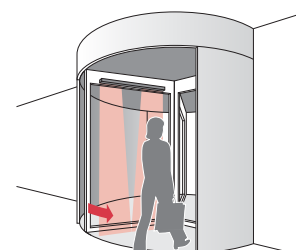- The matching device for every door: Length and number of sensors can be chosen

Situation
Access via a revolving door

Solution
- An on-board collision protection for revolving doors provides smooth operation and minimises risk of accidents

Advantages
- Persons and objects are detected easily and without contact
- Possible collisions and accidents involving people at the door are thus avoided

Ordering information

Article No.	Description	Sensor / Dimensions
260012	UniScan 1.350 silver	1
259970	UniScan 1.350 black	1
260013	UniScan 1.350 white	1
256274	UniScan 2.750 silver	2
256317	UniScan 2.750 black	2
256296	UniScan 2.750 white	2
256299	UniScan 2.900 silver	2
256340	UniScan 2.900 black	2
256341	UniScan 2.900 white	2
256859	UniScan 2.1100 silver	2
256596	UniScan 2.1100 black	2
256881	UniScan 2.1100 white	2
257182	UniScan 3.1600 silver	3
257184	UniScan 3.1600 black	3
257189	UniScan 3.1600 white	3
290768	UniScan 2x2.1100 door set silver	2 x 2
296971	UniScan 2x2.1100 door set black	2 x 2
296972	UniScan 2x2.1100 door set white	2 x 2
291030	UniScan 2x2.1200 door set silver	2 x 2
296973	UniScan 2x2.1200 door set black	2 x 2
296974	UniScan 2x2.1200 door set white	2 x 2
256297	**US beam** Optical unit incl. mounting clips	1
288879	**Y-Adaptor**	
212354	**DLP 6 Box, door loop set** Box and door loop tube, length max. 600 mm, inner diameter max. 6 mm, material plastic, colour black	
220535	**Door Loop, door loop set** Wall adaptor and door loop tube, length max. 600 mm, inner diameter max. 6 mm, material plastic, colour black	
212356	**Door Loop, door loop set** Wall adaptor and door loop tube, length max. 600 mm, inner diameter max. 6 mm, material metal, colour black	
291082	**UniScan cable set** Contains Y adapter 288879 and door loop set 220535	
213097	**Flat cable 800**	800 mm
213096	**Flat cable 500**	500 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
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	
218810	**Holder Beam Universal** Mounting clip	
243025	**RPT rain cover** 17 m roll	
292393	**RegloBeam 2** Bidirectional remote control	

Additional products

Activates automatic doors
Microwave motion sensor Merkur 2 with electronically adjustable field

Protects primary closing edges in revolving doors
Active infrared sensor SpotScan with detection altitude of up to 3 m

Technical data

Mechanical data

Housing material	Aluminium
Front cover	Plexiglass PMMA (black)
Weight (US beam)	90 g
Measurements (US beam)	300 x 31 x 20 mm
Weight (UniScan 2.1100)	910 g
Type of connection	Plug-in screw terminal

Technological data

Technology	Infrared
Beams	8 per US beam
Power saving mode	5 beams per US beam activated (factory setting)
Mounting height	1.7 – 3.0 m
Field size (at 2.2 m)	471 x 58 mm
Mode of operation	on-board
Reaction time for detection	< 50 ms
PL	d Cat. 2
Max. number of sensors linked together	4 (with DC supply voltage only)

Electrical datas

Supply voltage	15–37 VDC ± 0% 15–26 VAC ± 0% AC only for single device
Making current	< 500 mA
Power consumption	3.3 Watt (138 mA with 24 V per unit)
Test	High/Low active, Pull up/Pull down
Reaction time at test	1–7 ms
Output	Relay 40 VDC, 40 VAC, 1 A
Relay holding time	0–10 s adjustable

Environment conditions

Protection category	Suitable for application IP54
Operating temperature	−20°C to +60°C
Atmospheric moisture	< 95%, non condensation

Norms

Immission	EN 61000-6-1 EN 61000-6-2
Emission	EN 61000-6-3 EN 61000-6-4
EC type certificate in accordance with	EN 16005 DIN 18650 EN 12978 EN 13849-1 EN 61508

Advice
Technical data and recommendations for our products are empirical values and serve as orientation guide for the user. Information given in brochures and data sheets do not guarantee special product characteristics. This does not include special characteristics which, in single cases, we confirm individually or in written form. We reserve the right to make modifications resulting from further technical development.