

sensing the future

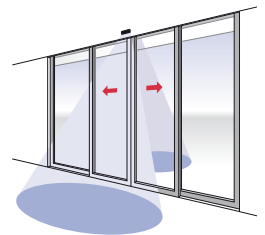


## PrimeMotion C

Microwave motion detector  
for automatic doors

### Simple, reliable, practical

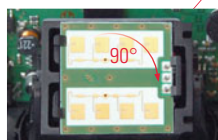
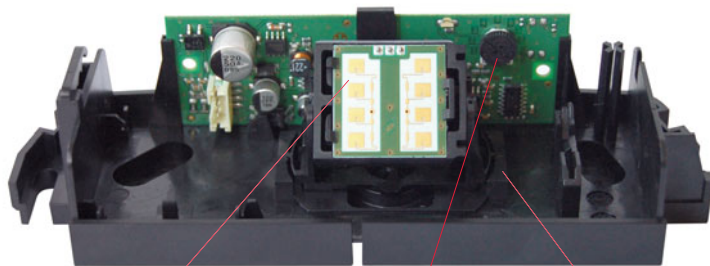
PrimeMotion C is a simple microwave motion detector in an elegant, small housing.



- **Practical and versatile:**  
One device, also for particularly tall and wide doors
- **Wide range of applications:**  
The adjustable field geometry and the radar module that can be tilted and swivelled mean the door activation can be optimally adjusted to the flow of persons traffic
- **Short startup:**  
Quick and easy startup with potentiometer

# PrimeMotion C

This is how easy it is to install the detector



The motion field pattern (wide or narrow) can be changed by rotating the microwave module



Potentiometer for field settings



Setting the inclination and pivoting angle

## Reliable in many applications

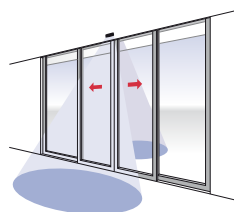
PrimeMotion C ensures an optimum flow of people because of its ideal activation of automatic sliding doors.

### Situation

Activating sliding doors

### Advantage

- Reliable detection even with tall doors because of the possible installation height up to 4 m

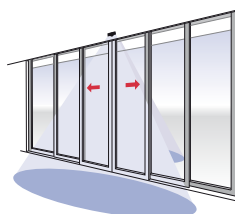


### Situation

Activating telescopic sliding doors

### Advantage

- The max. field width of 4.8 m means one detector is sufficient on each side of the door, even with wide doors



## Order details

Article no.	Description
<b>296202</b>	<b>PrimeMotion C bk</b> Microwave motion detector black
<b>298680</b>	<b>PrimeMotion C si</b> Microwave motion detector silver
<b>298619</b>	<b>PrimeMotion C wt</b> Microwave motion detector white
<b>289500</b>	<b>PMCAP</b> Rain cap PrimeMotion



## Supplementary products

### PrimeTec B / PrimeScan B

The reliable solution for activating and protecting sliding doors in accordance with prEN 16005

### TopScan G3

The infrared detector prevents collisions with automatic swing and revolving door



### Mechanical data

Material	ABS / PA
Weight (without cable)	120 g
Dimensions	172 x 60 x 48 mm (L x W x D)
Connection type	cable 3 m long, Ø 3.5 mm, with plug
Mounting height	1.8–4 m
Colour	black / silver / white

### Technological data

Technology	Radar
Transmitting frequency	24.125 GHz
Field size at 2.2 m	min. 0.8 x 1.6 m max. 2.3 x 4.8 m

### Electrical data

Operating voltage	12–36 V DC / 12–28 V AC
Current consumption	≤ 32 mA at 24 V DC
Output	solid state relay, bidirectional 1 s fall-delay time fixed
Switching voltage	max. 48 V AC / VDC
Switching current	max. 120 mA
Switching capacity	max. 550 mW

### Ambient conditions

Protection class	IP54
Operating temperature	–20 °C to +60 °C
Air humidity	<90%, rel., non-condensing

### Electromagnetic compatibility standards

Immision	EN 61000-6-2
Emission	EN 61000-6-3

### 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.

### Bircher Reglomat AG

Wiesengasse 20

CH-8222 Beringen

Phone +41 52 687 11 11

Fax +41 52 687 11 12

info@bircher.com

www.bircher-reglomat.com



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

# 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. 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



Connection with flat cable

Adjustment of detection angle

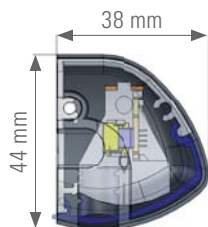
Starting up via keystroke



### Universal creation

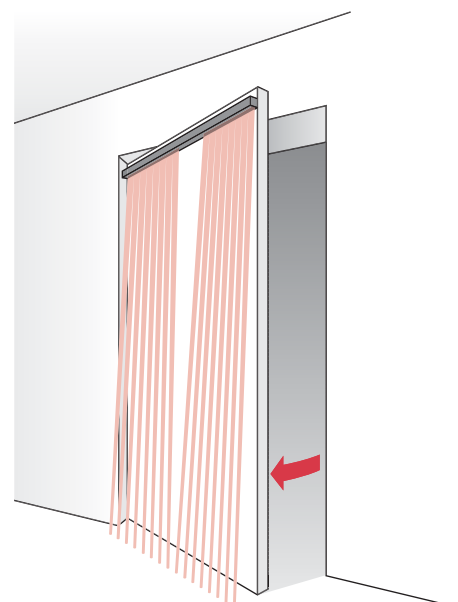
- Testing method can be selected in accordance with the respective drive types
- The detection height above ground can be adjusted between 10 cm and 100 cm
- No interference through synchronisation of the optics
- Individual turning off of single beams

### Compact dimensions



### 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)



## 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-Adapter 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  
Optical unit



RegloBeam 2  
Remote control



Y-Adapter  
Connection of  
two UniScans



Flat cable  
Flat cable for  
the connection  
of US beams



DLP 6 Box  
Door loop  
set with wall  
box



Door Loop  
Door loop  
set with wall  
mounting piece



## 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-and-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

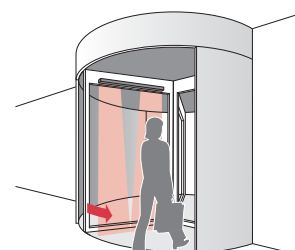
Access via a revolving door

### 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-Adapter		
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		
213096	Flat cable 500	500 mm	
213097	Flat cable 800	800 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		
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
Performance Level	PLd, Cat. 2
Max. number of sensors linked together	4 (with DC supply voltage only)

### Electrical data

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 input	High/Low active, Pull up/Pull down Response time to test signal High level < 30 ms (typical 3 ms) Min. 5 V DC – max. 24 V DC / I = < 6.5 mA
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.

### Bircher Reglomat AG

Wiesengasse 20

CH-8222 Beringen

Phone +41 52 687 11 11

Fax +41 52 687 12 10

info@bircher.com

www.bircher-reglomat.com