



+44 (0)1691 655150



SKU: CP-NEXT75B

75kg Brushless Motor for Swing Door w/ fixing plate & w/ battery

Designed for internal door applications to automate the opening and closing of swing doors up to 75kg.

Specification

Power supply	115 - 230 Vac 50/60 Hz
Max power	40W
Stand-by power	5W
Max weight of the leaf	75kg
Max width of the leaf	1000mm
Max opening angle	110°
Motor	24Vdc brushless motor with encoder
Max load of external accessories	0.5A 24Vdc
Output for electric lock	Relay with N.O. / N.C. contact
IP Rated	IP32
Operating temp	-15°C +50°C
Opening speed (up to 90 °)	Adjustable from 2 to 12s
Closing speed	Adjustable from 4s to 12s
Pause time	Adjustable from 0.5s to 60s
Operation	Motor-powered closing

Product



Dimensions

Height – 60mm
Width – 420mm
Depth – 76mm



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SKU: CP-JMB/KS-3

Three Position Key Switch (hold open/ off/auto) latching

Three Position Key Switch

Specification

Operation	Latching
Supplied with	High impact plastic backbox
Security screws	Allen key type
Contacts	Voltage free contacts
Power	12-24 VDC
IP rated	IP54
Keys	Supplied with 2 keys
Surface	Etched legend

Product



Dimensions

Height	– 120mm
Width	– 50mm
Depth	– 47mm
Weight	– (boxed) 250g
Weight	– (unboxed) 210g



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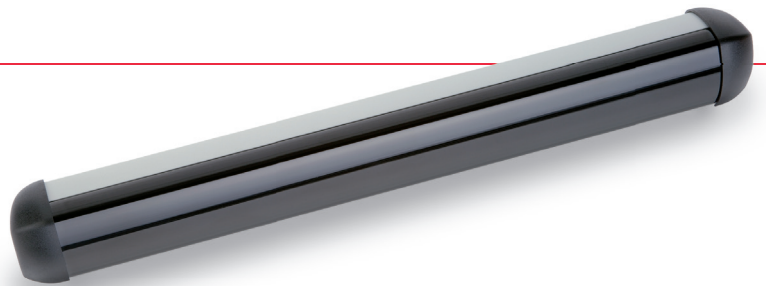
SKU: CP-NEXT-BAS

Standard Articulated Arm (outswing)

Designed to be used with the CP-NEXT75B motor

Product





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

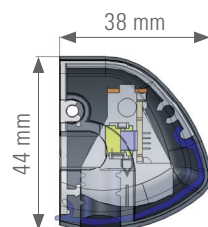
Starting up via keystroke



Universal creation

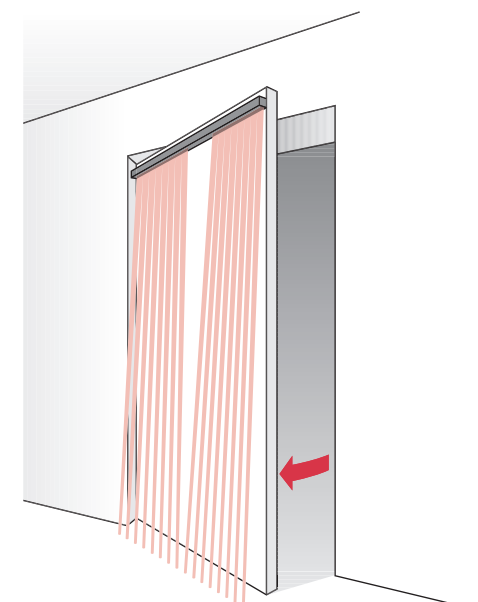
- Testing method can be selected in accordance with the respective drive types
- The detection height above ground can be adjusted between 10 cm and 100 cm
- No interference through synchronisation of the optics
- Individual turning off of single beams

Compact dimensions



Field characteristics for more safety

- Close array of beams (471 x 60 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

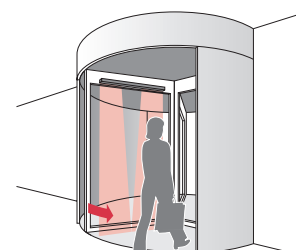
Access via a revolving door

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 I, 350 mm, silver	1	
259970	UniScan I, 350 mm, black	1	
260013	UniScan I, 350 mm, white	1	
256274	UniScan II, 750 mm, silver	2	
256317	UniScan II, 750 mm, black	2	
256296	UniScan II, 750 mm, white	2	
256299	UniScan II, 900 mm, silver	2	
256340	UniScan II, 900 mm, black	2	
256341	UniScan II, 900 mm, white	2	
256859	UniScan II, 1100 mm, silver	2	
256596	UniScan II, 1100 mm, black	2	
256881	UniScan II, 1100 mm, white	2	
257182	UniScan III, 1600 mm, silver	3	
257184	UniScan III, 1600 mm, black	3	
257189	UniScan III, 1600 mm, white	3	
290768	Door set: 2 UniScan II, 1100 mm, silver	2 x 2	
296971	Door set: 2 UniScan II, 1100 mm, black	2 x 2	
296972	Door set: 2 UniScan II, 1100 mm, white	2 x 2	
291030	Door set: 2 UniScan II, 1200 mm, silver	2 x 2	
296973	Door set: 2 UniScan II, 1200 mm, black	2 x 2	
296974	Door set: 2 UniScan II, 1200 mm, 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

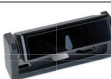
Activates automatic doors

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 II, 1100 mm)	910 g
Type of connection	Plug-in screw terminal

Technological data

Technology	Active infrared (triangulation principle)
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 60 mm
Mode of operation	on-board
Reaction time for detection	< 50 ms
Performance Level	PLd, Cat. 2 (EN ISO 13849-1)
Max. number of sensors linked together	4 (with DC supply voltage only)

Electrical data

Supply voltage	15–37 V DC ± 0% 15–26 V AC ± 0%, 50/60 Hz AC only for single device
Making current	Max. 500 mA
Power consumption	Max. 3.3 W (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 V DC, 40 V AC, 1 A
Relay holding time	0–10 s (adjustable)

Environment conditions

Protection category	IP54 (EN 60529)
Operating temperature	–20°C to +60°C
Atmospheric moisture	Max. 95% relative, non-condensing

Norms

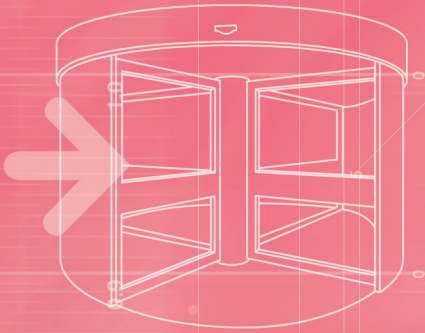
Immission	EN 61000-6-1 EN 61000-6-2
Emission	EN 61000-6-3 EN 61000-6-4
EC type certificate in accordance with	EN 16005 DIN 18650-1 EN 12978 EN ISO 13849-1 EN 61508

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.

BBC Bircher Smart Access

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Merkur 2

Microwave motion detector
for automatic doors

Intelligent, precise, versatile

- **Optimal flow of persons:**
The homogenous radar field with SMD+ function detects the smallest movements
- **Versatile usable:**
Practical adjustments for any type of doors, inside and outside
- **Short commissioning time:**
Pre-programmed comfort settings and electronically adjustable dual field planar module
- **Energy-saving:**
Avoids involuntary openings of the door by means of direction recognition and blanking-out of cross traffic

Merkur 2

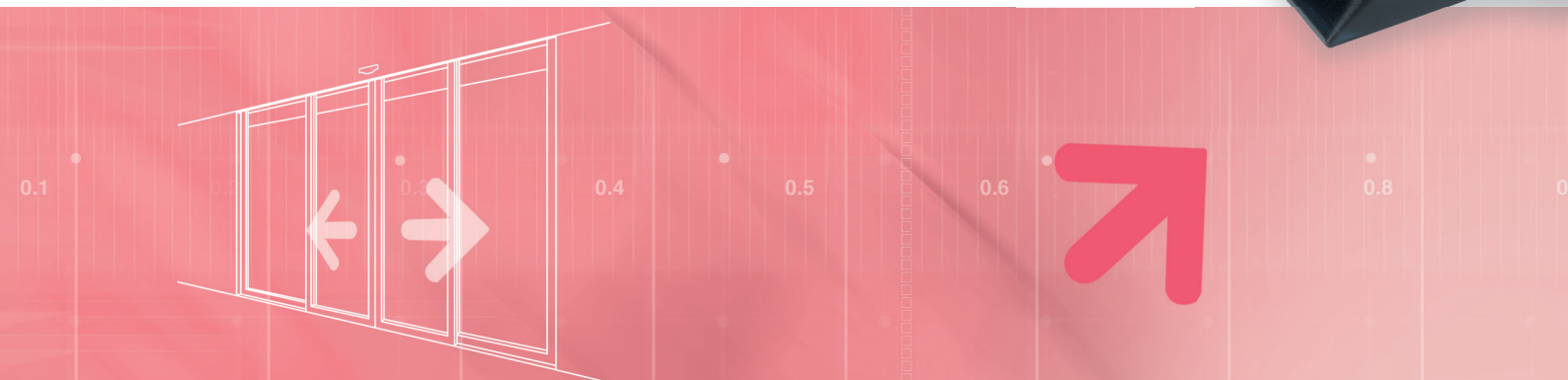
Microwave motion detector for automatic doors

The all-rounder

Thanks to its extremely high versatility, Merkur 2 leads the way and can be used on virtually any type of automatic door. With its totally reliable detection, Merkur 2 provides a smooth flow of people and also ensures savings on energy and costs! The intelligent sensor system has an optional direction recognition and thereby makes sure that the door only opens when people are approaching or leaving. The door closes again immediately afterwards.

Dual field planar module

The second generation of Merkur is available with a radar field that is more symmetric and more sharply differentiated than before. Switching between wide or narrow field can be done by remote control or by push-buttons on the sensor. Thus, Merkur 2 is adjusted and ready to operate extremely quickly.



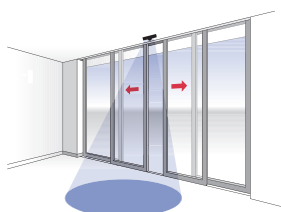
Your benefits

Versatile usable for every situation

- Pre-programmed comfort settings for a rapid commissioning
- The most reliable detection with a clearly differentiated radar field
- Energy-saving by direction recognition
- Avoidance of involuntary door openings by blanking-out of cross
- Electronically switching between a wide and a narrow field
- SMD+ as a new detection field for movements of < 5 cm/s

Field characteristics

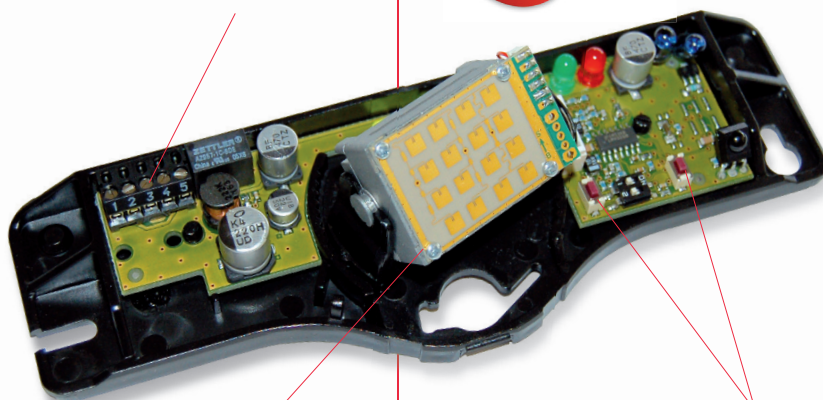
- Electronic field geometry settings options for a wide and narrow field (via remote control or via buttons at the detector)
- Can even be used with wide passage dimensions and high-level lights
- Mounting height up to 4 m



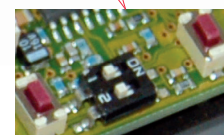
Optional plug-in screw terminal or RJ12 socket



Remote control for rapid commissioning and full range of settings



Radar module that is horizontally and vertically tiltable



Basic programming by using push-buttons on the sensor



Further accessories

High-quality accessories make the innovative Merkur 2 so versatile that it can be used in the most widely differing applications.



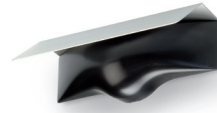
RegloBeam 2 remote control

Using this, the sensor can be rapidly configured and parameters can be individually adjusted for the respective situation



MIS ceiling installation kit

Using the MIS ceiling installation kit, the sensor can be discretely and almost invisibly built-in to the ceiling



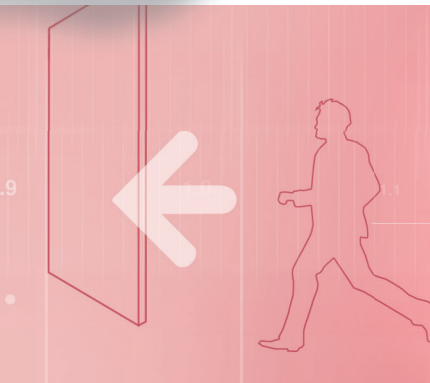
MCAP rain and snow cover

The MCAP cover for external use protects the sensor against rain and snow



MCL semicircular adapter

The MCL adapter with its concave back provides a flat surface to mount the sensor on revolving and curved doors



Reliable in every application

Situation

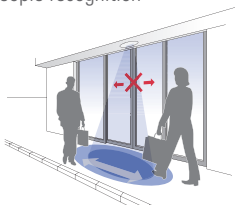
Activation of sliding doors, pedestrians on the pavement

Solution

- Ensures an optimal flow of people with reliable activation
- Intelligent movement detection: only activated when people directly come towards the door. Ideal for access in passages/on pavements

Benefits

- No unnecessarily opening/prolonged opening time of the door thanks to direction recognition
- The depth of the field can be reduced to a minimum and still the sensor ensures an optimal flow of people
- Field size up to a width of 5.0 m
- No involuntary opening of the door due to blanking-out of cross traffic/people recognition



Situation

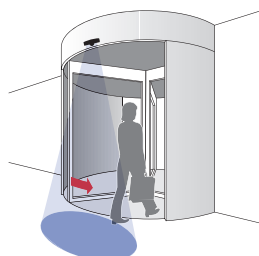
Activation of revolving doors

Solution

- With a special semicircular adapter, Merkur 2 can also be installed on revolving doors

Benefits

- Efficient blanking-out of cross traffic
- Small and precisely selectable detection field



Situation

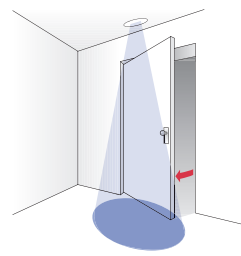
Activation of swing doors

Solution

- The sensor for automatic doors even in the most confined spaces

Benefits

- Thanks to the blanking-out of cross traffic, the door leaf is not detected and so the door is not triggered
- Especially suitable for ceiling installation



Situation

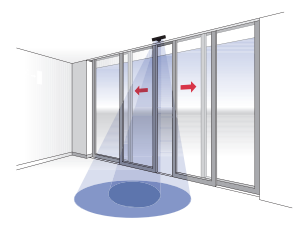
Installation in elderly and disabled homes

Solution

- Merkur 2 with a specially pre-programmed comfort setting

Benefits

- Even the very slowest-moving persons (< 5 cm/s) and those in wheelchairs are safely detected with the new SMD+ field
- Almost stationary objects are recognised in the detection field. The door stays open until the person has safely passed through



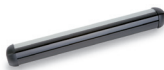
Order details

Item no.	Description	
Merkur 2 Standard		
219184	Merkur 2 Without direction recognition Changeover contact, Plug-in screw terminal	
219190	Merkur 2 ES With direction recognition Changeover contact, Plug-in screw terminal	
219193	Merkur 2 ES.C With direction recognition Changeover contact, RJ12 socket	
Accessories		
292393	Bi-directional remote control RegloBeam 2	
213459	Cover Merkur black	
213462	Cover Merkur white	
212840	MIS – ceiling installation kit	
212837	MCAP – rain and snow cover	
212527	MCL 1.0 – semicircular adapter for Merkur 2 TRL 687 black Door diameter 2.0–3.6 m 175 × 40 × 5.4 mm (W × H × T)	
212528	MCL 2.0 – semicircular adapter for Merkur 2 TRL 687 black Door diameter 3.6–6.0 m 175 × 40 × 3.7 mm (W × H × T)	

Additional products

UniScan

Infrared presence detector for automatic swing doors and revolving doors in accordance with EN 16005 and DIN 18650



PrimeFamily A

The complete solution for activating and protecting sliding doors in accordance with EN 16005 and DIN 18650



CleanSwitch

Contact-free switch for convenient activation of entrances with strict hygiene and design requirements



Technical specifications

Technological specifications

Technology	Double field radar module (24.125 GHz)
Transmitter power	< 20 dBm
Size of narrow field (at 2.2 m)	Min. 0.7 × 0.6 m (W × D) Max. 2.7 × 1.9 m (W × D)
Size of wide field (at 2.2 m)	Min. 1.1 × 0.6 m (W × D) Max. 4.7 × 1.7 m (W × D)

Mechanical specifications

Material	Cover: PC Base plate: ABS
Dimensions	176 × 62 × 52 mm (W × H × D)
Weight (without cable)	150 g

Electrical specifications

Voltage	12–36 V DC 12–28 V AC, 50 Hz
Operating current	Approx. 50 mA at 24 V DC, 24° C
Types of connections	Merkur 2, Merkur 2 ES Merkur 2 ES.C Plug-in screw terminal RJ12 plug

Specific specifications for Merkur 2 and Merkur 2 ES

Output	Potential-free changeover contact 48 V AC/DC Max. 0.5 A AC / max. 1 A DC Max. 60 VA / max. 30 W
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Environmental conditions

Mounting height	Max. 4.0 m
Type of protection (EN 60529)	IP54
Operating temperature	–20° C up to +60° C
Humidity	Max. 90% relative, non-condensing

Standards

Immissions	EN 61000-6-1 EN 61000-6-2
Emissions	EN 61000-6-3 EN 61000-6-4

Note

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