

**Smart Access** 



# 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.



- 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





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.





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

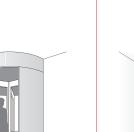
 Merkur 2 with a specially preprogrammed comfort setting

#### **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 throught







## Order details

ltem no.	Description		
Merkur 2 Standard			
219184	<b>Merkur 2</b> Without direction recognition Changeover contact, Plug-in screw terminal		
219190	Merkur 2 ES With direction recognition Changeover contact, Plug-in screw terminal		
219193	<b>Merkur 2 ES.C</b> With direction recognition Changeover contact, RJ12 socket		
Accessories			
292393	Bi-directional remote control RegloBeam 2	0000	
213459	Cover Merkur black		
213462	Cover Merkur white		
212840	MIS – ceiling installation kit	in the	
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







Technological specificationsTechnologyDouble field radar module (24.125 GHz)Transmitter power< 20 dBm		
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guarantee any special product features, apart from those which we confirm in cases. We reserve the right to make changes as the result of technical develop		

#### **BBC Bircher Smart Access**

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