



## **PrimeTec B**

## **PrimeScan B**

## **PrimeMotion B**

The reliable solution for activating and protecting sliding doors in acc. with EN 16005

**Practical, flexible, slender**

- **Convenient operation:**  
Quick and easy to install
- **A wide range of applications:**  
Up to 3.8 metre wide field can be used as a light barrier substitute
- **Top design:**  
Modern and standardised

# PrimeTec B / PrimeScan B / PrimeMotion B

## The complete solution for activating and protecting sliding doors

### PrimeTec B protects and opens

Tried-and-tested radar technology is used for opening automatic doors. The active infrared curtain, which protects people, can be used in place of a light barrier. Various functions can be set according to the situation, for example, the field geometry of the active infrared curtain and of the radar.

### PrimeScan B monitors the secondary closing edge

The active infrared curtain ensures optimum protection of the area at the side of the door. It protects people in the danger area of the opening door panel.

### PrimeMotion B opens and saves energy

The activation sensor, which is based on radar technology, reliably opens sliding doors and prevents unnecessarily long opening times thanks to direction recognition.



## Your benefits

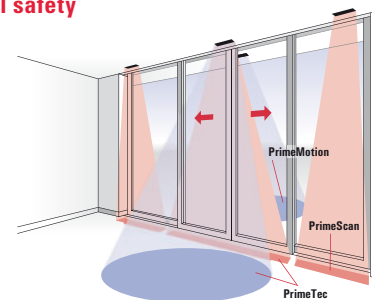
### PrimeTec B / PrimeScan B

- Simple and straightforward operation via buttons and LCD
- Precise positioning of the AIR curtain thanks to inclination angle display on a clear scale
- Automatic recognition of the test input
- Polarity reversal and short-circuit-proof radar and infrared outputs
- Short guide fastened to the detector with a QR code that guides directly to the operating instructions (PrimeTec only)



### Field properties for additional safety

- Can even be used with wide passage dimensions and high-level lights
- Mounting height up to 4 metres with an AIR field width of 3.8 metres
- The AIR curtain replaces the light barrier

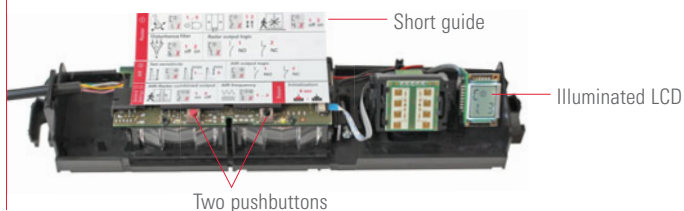
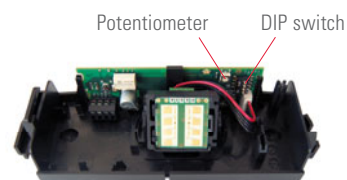


### The benefits of radar and AIR technology in one sensor

- Dynamic activation and large detection areas thanks to radar technology
- Precise presence detection for protecting various danger points using AIR technology

### PrimeMotion B

- Clear and comprehensible operation via four DIP switches and a potentiometer





## Accessories

High-quality accessories make the innovative PrimeTec B, PrimeScan B and PrimeMotion B sensors so versatile that they can be used in an extremely wide range of applications.



**PTCAP**  
PrimeTec  
rain cover



**PTIS**  
PrimeTec and  
PrimeScan cover  
installation set



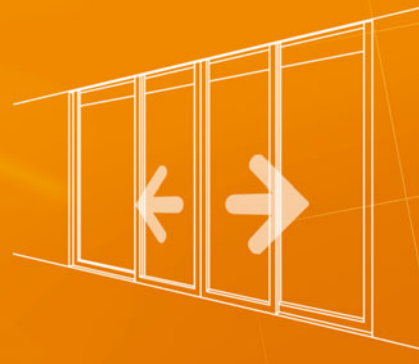
**PTIS IP65**  
PrimeTec and  
PrimeScan cover  
installation set



**PTCM**  
PrimeTec and  
PrimeScan  
ceiling mounting



**PMCAP**  
PrimeMotion  
rain cover



## Safe in every application

### Situation

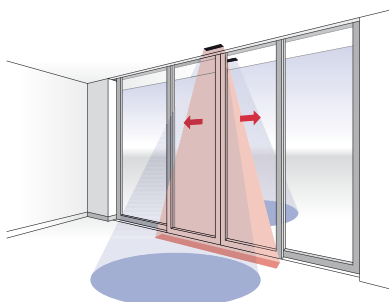
Activation and simple protection of sliding doors

### Solution

- PrimeTec B for activation and protection on one side and PrimeMotion B for activation on the other side

### Advantage

- A complete sensor kit with standardised and modern design



### Situation

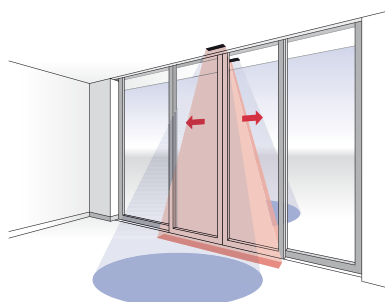
Activation and mid-level protection of sliding doors

### Solution

- A PrimeTec B on both sides of the door for the highest possible degree of protection for the primary closing edge

### Advantage

- High security, easy, standardised operation and modern design



### Situation

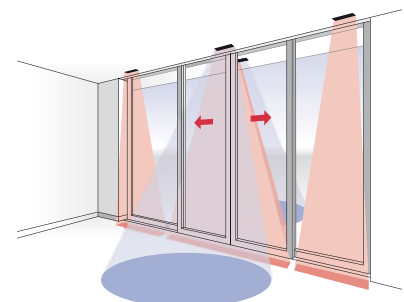
Activation and maximum protection of sliding doors

### Solution

- Two PrimeTec B units for protection of the primary closing edge and activation of the doors. Additionally, two PrimeScan B units for protecting the secondary closing edges

### Advantage

- Maximum security with easy, standardised operation and modern design



# Order details

Article no.	Description	
<b>260508</b>	<b>PrimeTec B ES bk</b> (11.5–32 VDC)	
<b>266427</b>	<b>PrimeTec B ES si</b> (11.5–32 VDC)	
<b>263952</b>	<b>PrimeTec B ES wt</b> (11.5–32 VDC)	
<b>293924</b>	<b>PrimeTec B ES/02 bk</b> (AC/DC, 11–28 VAC/12–32 VDC, solid state relay output)	
<b>294841</b>	<b>PrimeTec B ES/02 si</b> (AC/DC, 11–28 VAC/12–32 VDC, solid state relay output)	
<b>294840</b>	<b>PrimeTec B ES/02 wt</b> (AC/DC, 11–28 VAC/12–32 VDC, solid state relay output)	
<b>260509</b>	<b>PrimeScan B bk</b> (11.5–32 VDC)	
<b>266428</b>	<b>PrimeScan B si</b> (11.5–32 VDC)	
<b>263953</b>	<b>PrimeScan B wt</b> (11.5–32 VDC)	
<b>261008</b>	<b>PrimeMotion B bk</b> (12–28 VAC/11.5–32 VDC)	
<b>266429</b>	<b>PrimeMotion B si</b> (12–28 VAC/11.5–32 VDC)	
<b>263954</b>	<b>PrimeMotion B wt</b> (12–28 VAC/11.5–32 VDC)	
<b>266168</b>	<b>PTCAP</b> PrimeTec rain cover	
<b>266169</b>	<b>PTCM</b> PrimeTec and PrimeScan ceiling mounting	
<b>266354</b>	<b>PTCA</b> PrimeTec circular line adapter	
<b>266355</b>	<b>PSCA</b> PrimeScan circular line adapter	
<b>345837</b>	<b>Cover bk</b> (PrimeTec)	
<b>264212</b>	<b>PTIS bk</b> PrimeTec and PrimeScan cover installation set	
<b>265254</b>	<b>PTIS wt</b> PrimeTec and PrimeScan cover installation set	
<b>355061</b>	<b>PTIS IP65 wt</b> PrimeTec and PrimeScan cover installation set	
<b>289500</b>	<b>PMCAP</b> PrimeMotion rain cover	
<b>298210</b>	<b>Connection cable (assembled), 8 poles, 5000 mm</b> (PrimeTec and PrimeScan)	
<b>294550</b>	<b>Connection cable (assembled), 8 poles, 3000 mm</b> (PrimeTec and PrimeScan)	
<b>312044</b>	<b>Interface PrimeTec A/B ES, AC/DC Relais</b>	

Colours: bk = black, wt = white, si = silver

### 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.

# Technical data

<b>Mechanical data PrimeTec / PrimeScan / PrimeMotion</b>		
<b>Housing material</b>	ABS / PA	
<b>Dimensions</b>	PrimeTec B	260 × 60 × 48.5 mm (L×W×D)
	PrimeScan B	216 × 60 × 47.5 mm (L×W×D)
	PrimeMotion B	172 × 60 × 48 mm (L×W×D)
<b>Weight</b>	PrimeTec B	250 g
	PrimeScan B	180 g
	PrimeMotion B	120 g
<b>Technological data PrimeTec / PrimeScan / PrimeMotion</b>		
<b>Technology</b>	PrimeTec B	Active infrared, double field radar module
	PrimeScan B	Active infrared
	PrimeMotion B	Double field radar module
<b>Radar PrimeTec / PrimeMotion</b>		
Transmission frequency	24.150 GHz	
Transmission power	< 16 dBm	
Dimensions of wide field (at 2.2 m)	Max. 4.0 × 2.0 m Min. 0.5 × 0.25 m	
Dimensions of narrow field (at 2.2 m)	Max. 2.0 m × 4.0 m Min. 0.16 m × 0.8 m	
<b>Active infrared PrimeTec / PrimeScan</b>		
Dimensions of field (at 2.2 m)	Max. 2.0 m × 0.2 m	
Dimensions of AIR spot (at 2.2 m)	30 mm × 30 mm	
Number of AIR spots	2 rows of 12 spots	
Performance Level (AIR)	PLd, Cat. 2	
<b>Electrical data PrimeTec / PrimeScan</b>		
<b>Power supply</b>	11.5–32 V DC	
Input current	≤ 120 mA	
Making current	≤ 240 mA	
<b>Test input</b>	Automatic detection	
Response time to test signal	< 10 ms (typical 2 ms)	
High level	5 V DC...32 V DC / ≤ 4 mA	
<b>AIR output</b>	Solid state relay Max. 34 V DC, 24 V AC, max. 40 mA	
<b>Radar output</b>	Solid state relay Max. 34 V DC, 24 V AC, max. 40 mA	
<b>Connection type</b>	3 m cable with plug connector	
<b>Electrical PrimeMotion</b>		
<b>Power supply</b>	12–28 V AC / 11.5–32 V DC	
Electrical power supply	≤ 120 mA	
Making current	≤ 800 mA	
<b>Radar output</b>	Solid state relay	
Max. contact voltage	48 V AC / 48 V DC	
Max. contact resistance	30 Ohm	
Max. switching current	80 mA	
Max. switching power	500 mW (AC) / 500 mW (DC)	
<b>Connection type</b>	3 m cable	
<b>Ambient conditions PrimeTec / PrimeScan / PrimeMotion</b>		
<b>Mounting height</b>	Max. 4.0 m (EN 16005 up to 3.0 m) Min. 1.8 m	
<b>Operating temperature</b>	–20°C to +60°C	
<b>Protection class</b>	Suitable for use in acc. with IP54	
<b>Air humidity</b>	≤ 95%, non-condensing	
<b>Norms</b>		
<b>Immission</b>	EN 61000-6-1, EN 61000-6-2	
<b>Emission</b>	EN 61000-6-3, EN 61000-6-4	
<b>EC type examination certificate in acc. with</b>	EN 16005 BS7036-1 & BS7036-2 EN ISO 13849, EN 12978 EN 300 440-1-2	

## BBC Bircher Smart Access

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