



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

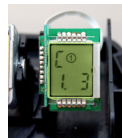
The activation sensor, which is based on radar technology, reliably opens sliding doors and prevents unnecessarily long opening times thanks to direction recognition.



Your benefits

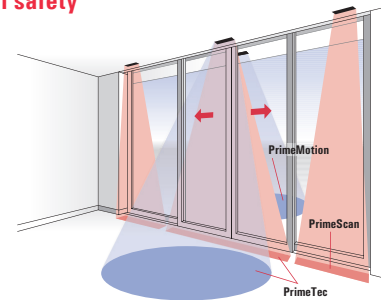
PrimeTec B / PrimeScan B

- 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

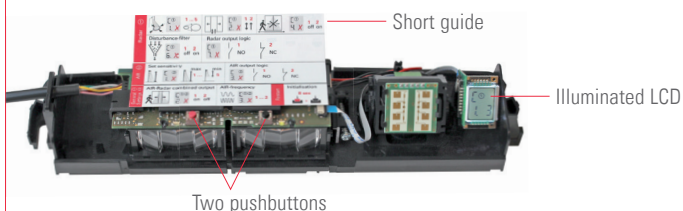
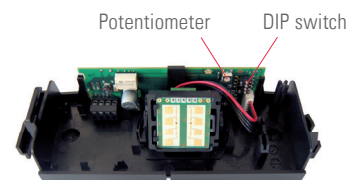


The benefits of radar and AIR technology in one sensor

- 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



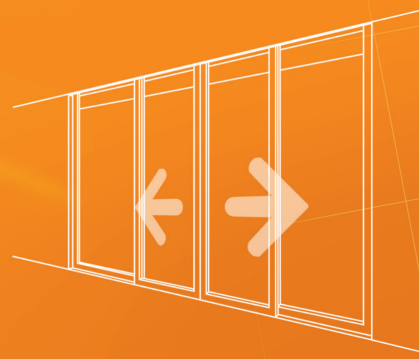
PTIS IP65
PrimeTec and
PrimeScan cover
installation set



PTCM
PrimeTec and
PrimeScan
ceiling mounting



PMCAP
PrimeMotion
rain cover



Safe in every application

Situation

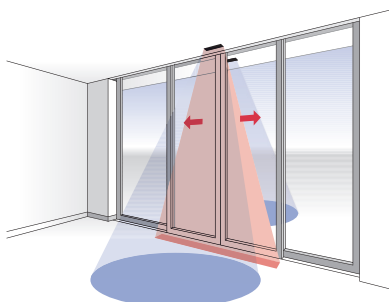
Activation and simple protection of sliding doors

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

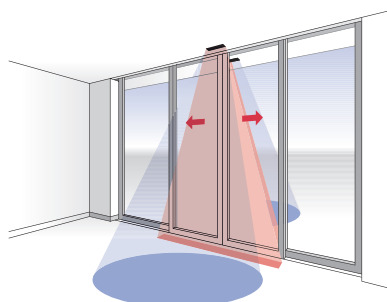
Activation and mid-level protection of sliding doors

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

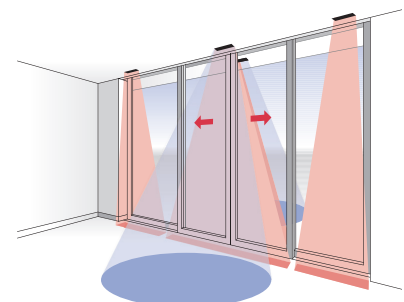
Activation and maximum protection of sliding doors

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	
260508	PrimeTec B ES bk (11.5–32 VDC)	
266427	PrimeTec B ES si (11.5–32 VDC)	
263952	PrimeTec B ES wt (11.5–32 VDC)	
293924	PrimeTec B ES/O2 bk (AC/DC, 11–28 VAC/12–32 VDC, solid state relay output)	
260509	PrimeScan B bk (11.5–32 VDC)	
266428	PrimeScan B si (11.5–32 VDC)	
263953	PrimeScan B wt (11.5–32 VDC)	
261008	PrimeMotion B bk (12–28 VAC/11.5–32 VDC)	
266429	PrimeMotion B si (12–28 VAC/11.5–32 VDC)	
263954	PrimeMotion B wt (12–28 VAC/11.5–32 VDC)	
266168	PTCAP PrimeTec rain cover	
266169	PTCM PrimeTec and PrimeScan ceiling mounting	
266354	PTCA PrimeTec circular line adapter	
266355	PSCA PrimeScan circular line adapter	
288522	Hood PrimeTec bk	
290505	Hood PrimeTec si	
290504	Hood PrimeTec wt	
288523	Hood PrimeScan bk	
290509	Hood PrimeScan si	
290508	Hood PrimeScan wt	
290522	Hood PrimeMotion bk	
290521	Hood PrimeMotion si	
290520	Hood PrimeMotion wt	
264212	PTIS bk PrimeTec and PrimeScan cover installation set	
265254	PTIS wt PrimeTec and PrimeScan cover installation set	
355061	PTIS IP65 wt PrimeTec and PrimeScan cover installation set	
289500	PMCAP PrimeMotion rain cover	
298210	Connection cable (assembled), 8 poles, 5000 mm (PrimeTec and PrimeScan)	
294550	Connection cable (assembled), 8 poles, 3000 mm (PrimeTec and PrimeScan)	

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

Technical data

Mechanical data

Housing material	ABS / PA	
Dimensions	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)
Weight	PrimeTec B	250 g
	PrimeScan B	180 g
	PrimeMotion B	120 g

Technological data

Technology	PrimeTec B	Active infrared, double field radar module
	PrimeScan B	Active infrared
	PrimeMotion B	Double field radar module

Radar PrimeTec B / PrimeMotion B

Transmission frequency	24.125 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

Active infrared PrimeTec B / 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 (EN ISO 13849-1)

Electrical data PrimeTec B / PrimeScan B

Supply voltage	PrimeTec B ES	11.5–32 V DC
	PrimeTec B ES/O2	12–32 V DC; 11–28 V AC, 50/60 Hz
	PrimeScan B	11.5–32 V DC
Current consumption		Max. 120 mA
Inrush current		Max. 240 mA

Test input

Response time to test signal	Automatic detection < 10 ms (typical 2 ms)
High level	5 V DC ... 32 V DC / ≤ 4 mA

AIR output

Solid state relay	Max. 34 V DC, 24 V AC, max. 40 mA
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Radar output

Solid state relay	Max. 34 V DC, 24 V AC, max. 40 mA
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Connection type

3 m cable with plug connector

Electrical data PrimeMotion B

Supply voltage	11.5–32 V DC; 12–28 V AC, 50/60 Hz
Current consumption	Max. 120 mA
Inrush current	Max. 800 mA

Radar output

Solid state relay	Max. switching 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)

Connection type

3 m cable

Ambient conditions PrimeTec B / PrimeScan B / PrimeMotion B

Mounting height	Max. 4.0 m (EN 16005 up to 3.0 m) Min. 1.8 m
Operating temperature	–20 °C to +60 °C
Protection class	IP54 (EN 60529)
Air humidity	Max. 95% relative, non-condensing

Conformity & Standards

Conformity	PrimeTec B / PrimeScan B	MD 2006/42/EC
	PrimeTec B / -Scan B / -Motion B	RED 2014/53/EU
PrimeTec B, PrimeScan B EC type-examination certificate according to		EN 16005, DIN 18650-1 BS 7036-0, EN 61326-3-1 EN ISO 13849-1, EN 12978 EN 300 440
Immission		EN 61000-6-1, EN 61000-6-2
Emission		EN 61000-6-3, EN 61000-6-4

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