



sensing the future



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

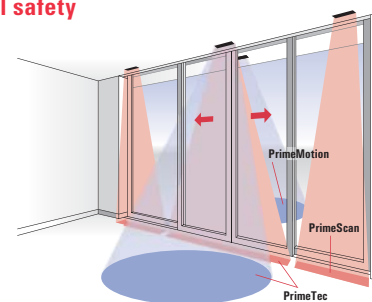
PrimeTec B / PrimeScan B

- 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

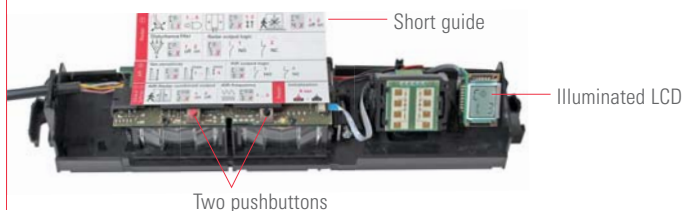
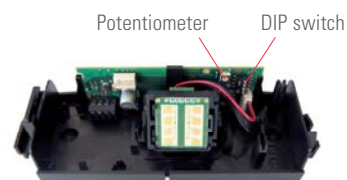


The benefits of radar and AIR technology in one sensor

- 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



PTCM
PrimeTec and
PrimeScan
ceiling mounting



PMCAP
PrimeMotion
rain cover



Safe in every application

Situation

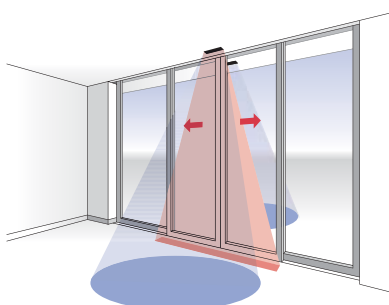
Activation and simple protection of sliding doors

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

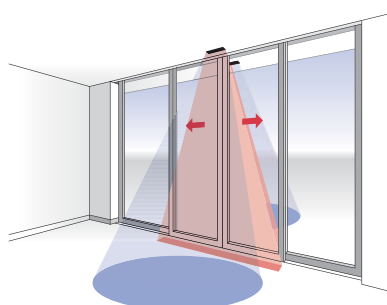
Activation and mid-level protection of sliding doors

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

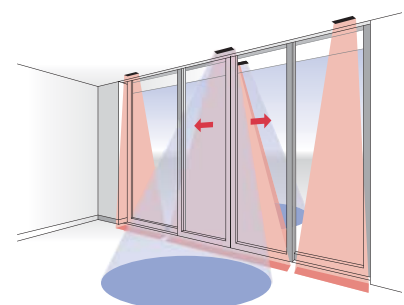
Activation and maximum protection of sliding doors

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/02 bk (AC/DC, 11–28 VAC/12–32 VDC, solid state relay output)	
294841	PrimeTec B ES/02 si (AC/DC, 11–28 VAC/12–32 VDC, solid state relay output)	
294840	PrimeTec B ES/02 wt (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	
264212	PTIS bk PrimeTec and PrimeScan cover installation set	
265254	PTIS wt PrimeTec and PrimeScan cover installation set	
289500	PMCAP PrimeMotion rain cover	

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

Supplementary products

UniScan

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

Proximity switch

CleanScan can also be ideally used as a contact-free opening detector for hospitals, restaurants and light control systems



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

Mechanical data PrimeTec / PrimeScan / PrimeMotion

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 PrimeTec / PrimeScan / PrimeMotion

Technology	PrimeTec B	Active infrared, double field radar module (24.125 GHz)
	PrimeScan B	Active infrared
	PrimeMotion B	Double field radar module (24.125 GHz)

Radar PrimeTec / PrimeMotion

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 PrimeScan

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
PL (AIR)	Cat. 2 d

Electrical data PrimeTec / PrimeScan

Power supply	11.5–32 V DC
Input current	≤ 120 mA
Making current	≤ 240 mA
Test input	Automatic detection
Response time to test signal	< 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
Radar output	Solid state relay Max. 34 V DC, 24 V AC, max. 40 mA
Connection type	3 m cable with plug connector

Electrical PrimeMotion

Power supply	12–28 V AC / 11.5–32 V DC
Electrical power supply	≤ 120 mA
Making current	≤ 800 mA
Radar output	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)
Connection type	3 m cable

Ambient conditions PrimeTec / PrimeScan / PrimeMotion

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	Suitable for use in acc. with IP54
Air humidity	≤ 95%, non-condensing

Norms

Immission	EN 61000-6-1, EN 61000-6-2
Emission	EN 61000-6-3, EN 61000-6-4
EC type examination certificate in acc. with	EN 16005 BS7036-1 & BS7036-2 EN ISO 13849, EN 12978 EN 300 440-1-2

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