



This product meets or exceeds ANSI standard 156.10 as independently tested by TÜV Rheinland of North America



PrimeFamily

The easiest activation
and safety solution for automatic
pedestrian sliding doors

Reliable, versatile, safe

- Quick installation & easy operation with integrated LCD display
- Wide range of applications
- Monitoring capability
- Ideal for retrofit applications

PrimeFamily

Your complete activation and safety solution for automatic pedestrian doors

PrimeTec – all in one convenience

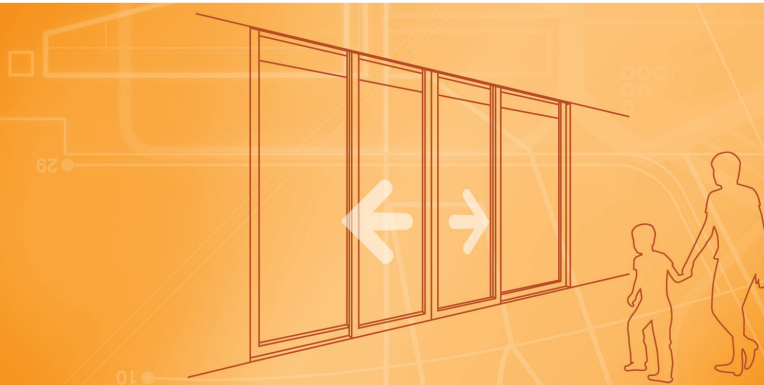
PrimeTec is a dual technology combined motion/presence sensor that uses microwave technology to activate the automatic sliding door while the active infrared safety curtain is used to protect people in the closing path of the door.

PrimeScan – extended safety through sidelite protection

PrimeScan monitors the secondary closing edge/sidelite of automatic sliding pedestrian doors with an active infrared safety curtain.

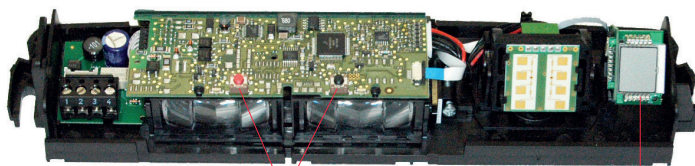
PrimeMotion – your easy retrofit solution

PrimeMotion is a compact and affordable choice using microwave technology to activate automatic pedestrian doors.



PrimeTec

- Simple and straightforward operation via programming buttons & LCD display
- Uses standard industry connector for quick installation (6 or 8-wire)
- Easy to retrofit with detachable screw terminals (4-wire connection)
- Clear inclination angle display for precise safety curtain positioning
- Slow motion detection for enhanced safety
- Direction recognition & cross traffic optimization reduces unwanted opening
- Operational at mounting heights up to 13' (4 m)
- Monitoring input with self-configuration for easy setup

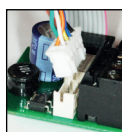


Programming buttons

Illuminated LCD display



Retrofit connector



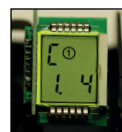
Standard 10-pin connector



Safety curtain adjustment



Microwave pivot adjustment

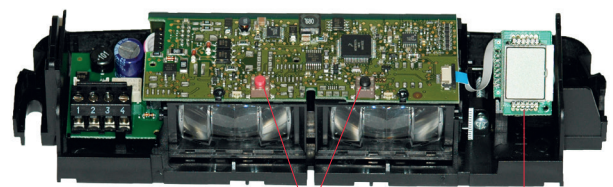


LCD display



PrimeScan

- Quick installation
- Easy to program with LCD display
- Clear inclination angle display for precise safety curtain positioning
- Wide field and flexible field adjustment for a variety of applications
- Operational at mounting heights up to 13' (4 m)
- Sleek design



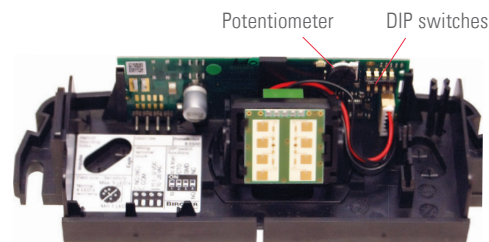
Two programming buttons

Illuminated LCD display



PrimeMotion

- Quick and easy setup via DIP switches and potentiometer
- Direction recognition & cross traffic optimization reduce unwanted opening
- Can be mounted up to 13' (4 m)
- Can also be used for swing door activation
- Pre-wired detachable connector can also be used as a screw terminal for retrofit installations



Potentiometer

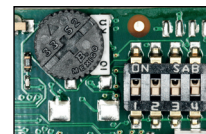
DIP switches



Retrofit mounting holes



Screw terminal connector



Potentiometer & DIP switches

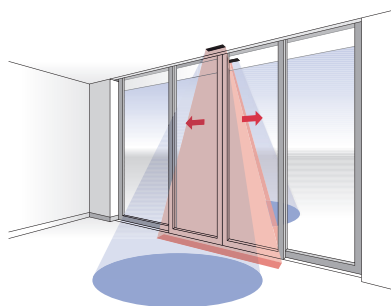


Safe in every application

New Installation

PrimeTec on both sides of the door for activation and safety

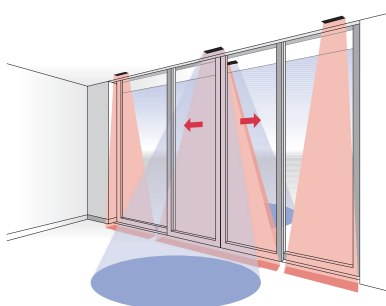
- Proven microwave technology provides consistent and stable activation patterns
- Precise and well – defined active infrared safety pattern that is always on at the door opening where it's needed most



Sidelite

PrimeScan safety sensor(s) for sidelite protection when field is occupied

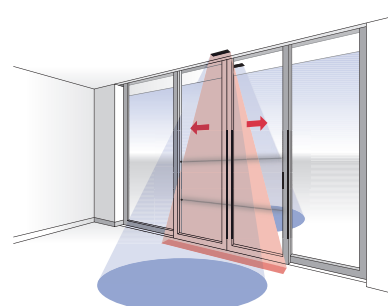
- Spot-on safety curtain achieved through active infrared technology
- Stops, slows, or reverses the door upon detection, keeping the sidelite safe when occupied



Retrofit

PrimeFamily offers easy retrofit solutions for any application

- Utilize PrimeMotion when an existing activation sensor fails to perform
- Utilize PrimeTec as the sensor of choice when replacing or upgrading sensors on any automatic sliding door



Order details



Part no.	Description	
290308	PrimeTec B ES/01 bk (black)	
295327	PrimeScan B/01 bk (black)	
290305	PrimeMotion B ES/01 bk (black)	

Silver & white available upon request.


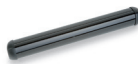


Optional accessories

High-quality accessories make the innovative PrimeTec, PrimeScan and PrimeMotion sensors even more versatile.

266168	PrimeTec rain cover PTCAP	
266169	PrimeTec/PrimeScan ceiling mount PTCM	
266354	PrimeTec circular line adapter PTCA	
266355	PrimeScan circular line adapter PSCA	
364212	PrimeTec/PrimeScan recessed ceiling mount PTIS bk	
265254	PrimeTec/PrimeScan recessed ceiling mount PTIS wt	
355061	PrimeTec/PrimeScan recessed ceiling mount IP65 PTIS IP65 wt	
289500	PrimeMotion rain cover PMCAP	
298210	Connection cable (assembled), 8 poles, 197" (5000 mm)	
294550	Connection cable (assembled), 8 poles, 118" (3000 mm) (for PrimeTec and PrimeScan)	

Supplementary products

SpotScan	
Active infrared presence sensor for protection of entry & pinch points	
TopScan	
Door mounted active infrared presence sensor for automatic swing & revolving doors	

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

Physical data

Housing material	ABS / PA
Dimensions (L × W × D)	PrimeTec 10" × 2 1/4" × 2" (260 × 60 × 48 mm) PrimeScan 8 1/4" × 2 1/4" × 2" (216 × 60 × 48 mm) PrimeMotion 6 3/4" × 2 1/4" × 2" (172 × 60 × 48 mm)
Weight	PrimeTec 8.8 oz (250 g) PrimeScan 6.3 oz (180 g) PrimeMotion 4.2 oz (120 g)

Technical data

Technology	PrimeTec	Active infrared, double field microwave module
	PrimeScan	Active infrared
	PrimeMotion	Double field microwave module

Microwave (PrimeTec B / PrimeScan B)	
Transmission frequency	24.125 GHz
Transmission power	< 16 dBm
Dimensions of wide field (at 7'/2.1 m mounting height)	Maximum: 13' × 6'6" (4.0 × 2.0 m) Minimum: 1'6" × 8" (0.5 × 0.2 m)
Dimensions of narrow field (at 7'/2.1 m mounting height)	Maximum: 6'6" × 13' (2.0 × 4.0 m) Minimum: 6" × 2'6" (0.15 × 0.8 m)

Infrared (PrimeTec B / PrimeScan B)	
Dimensions of field (at 7'/2.1 m mounting height)	Maximum: 6'6" × 8" (2.0 × 0.2 m)
Dimensions of IR spot (at 7'/2.1 m mounting height)	1 1/4" × 1 1/4" (30 × 30 mm)
Qty of safety curtain spots	2 rows of 12 spots
PL (Safety curtain)	PLd, Cat. 2 (ISO 13849-1)

Electrical data (PrimeTec B / PrimeScan B)

Operating voltage	PrimeTec 12–32 V DC/11–28 V AC, 45–65 Hz PrimeScan 11.5–32 V DC
Operating current	PrimeTec Max. 120 mA PrimeScan Max. 100 mA
Inrush current	Max. 240 mA
Test input	Automatic detection
Monitoring response time	< 10 ms
Safety output	Optocoupler (50 VDC, 40 mA)
Motion output	Solid state relay 60 VDC / 42.5 VAC, 100 mA
Connection type	10' (3 m) cable and screw terminals

Electrical data (PrimeMotion B)

Operating voltage	12–28 V AC, 60 Hz / 11.5–32 V DC
Operating current	Max. 120 mA
Inrush current	Max. 800 mA
Motion output	Solid st. relay, max voltage: 48 V AC/DC, max. contact resistance: 30 Ohm; max. load current: 80 mA max. switching capacity: 500 mW AC/DC
Connection type	10' (3 m) cable and screw terminals

Environmental conditions (PrimeTec B / PrimeScan B / PrimeMotion B)

Mounting height	max. 13' (4.0 m) / min. 6' (1.8 m)
Operating temperature	–4° to 140° F (–20° to 60° C)
Protection class	Acc. to NEMA 3 (IP54, IEC 60529)
Air humidity	Max. 95% relative, non-condensing

Conformity & Standards

EC Conformity	PrimeTec B / PrimeScan B MD 2006/42/EC PrimeTec B/-Scan B/-Motion B RED 2014/53/EU
EC type examination certification in acc. with	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
FCC/IC	UXS2 / 6902A-UXS2

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