Sensorama

- Comprehensive sensor solutions for diverse applications
- Modular product portfolio
- Customised solutions

The company

Sensor solutions

ExpertSystem

ExpertSystem XL
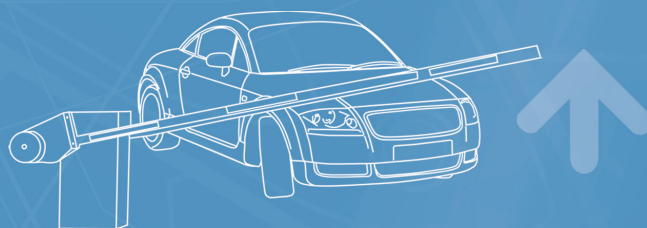Modular pressure-sensitive edge system

NEW

For gate applications

ExpertSystem XRF
Wireless signal transmission system

NEW

For applications with high requirements for performance and design

BBC Bircher Smart Access is a company of the private Swiss BBC Group

About BBC Bircher Smart Access

BBC Bircher Smart Access develops, produces and distributes intelligent sensor solutions for access systems. With people and vehicle flows growing around the world, ever greater demands are being placed on access points. BBC Bircher's solutions meet the increasing needs for safety, hygiene, accessibility and energy efficiency.

Not only are BBC Bircher's sensor solutions characterised by the company's comprehensive product portfolio and an international manufacturing network, but they also stand out from the crowd thanks to the dedication and teamwork of its approximately 180 employees and their extensive technological expertise.

For more than 60 years, BBC Bircher has been fulfilling the specific needs of its international clients with an extended distribution network spanning Europe, Asia and North America. BBC Bircher Smart Access has been a business unit of the BBC Group since 1991.

Further information can be found on our website: www.bircher.com

Application		
Example from the field		
Product benefits	• Heightened sensitivity and short response time • Fast assembly and easy installation • Attractive appearance	• Short setup time • High interference immunity and long battery life • Safety level cat. 2, PLc or cat. 3, PLd available
Supplementary products	Herkules 2E Helios 2T ProLoop ProAccess	Herkules 2E Helios 2T ProLoop ProAccess
Variants	Height x width in mm: 42 x 29, 49 x 36, 49 x 42, 74 x 37, 74 x 43, 99 x 44	1-channel, 2-channel, DIN housing, integrated transmitter, wicket door switch

Sliding gate   Swing gate / quick folding door

Detectors for industrial door and gates

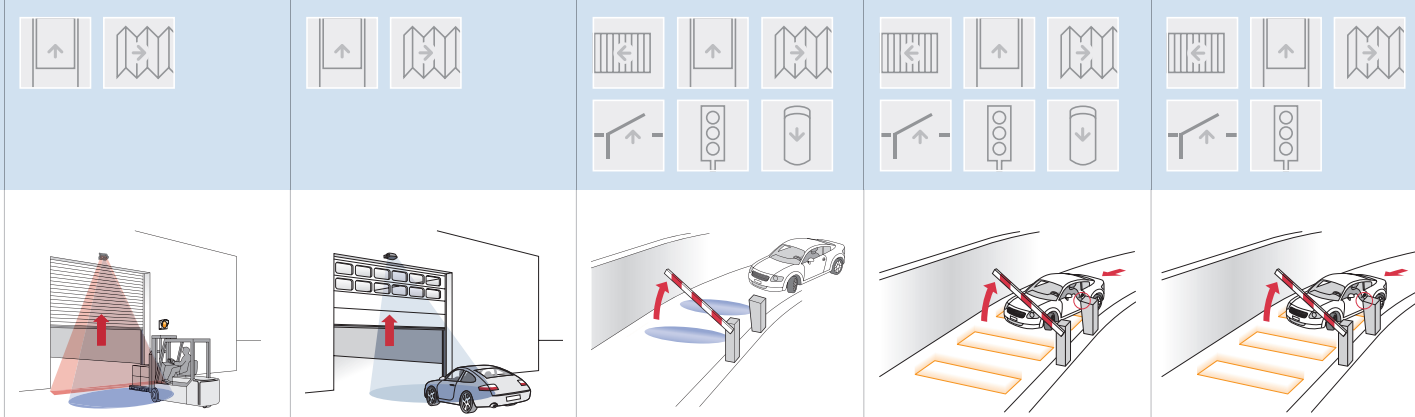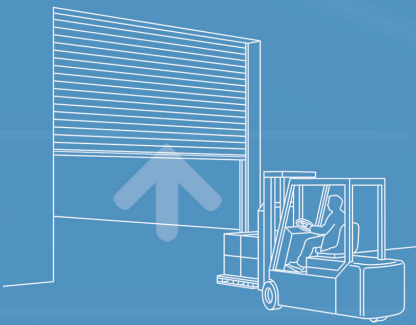| **Helios 2T**	**Herkules 2E**	**ProAccess**	**ProLoop2**	**ProLoop Lite**
Microwave motion and AIR presence detector	Microwave motion detector	Vehicle detection sensor	Loop detector	Loop detector
For industrial doors	For industrial doors	For barriers and gates	For reliable monitoring and evaluation of induction loops	The compact standard version of ProLoop2
• Fast installation and easy parameter configuration • Flexible adaptation of the detector fields • Reduction of energy consumption	• Cross-traffic masking and direction recognition • Person/vehicle distinction • Pulse-on-exit functionality	• Quick and easy to install thanks to above ground mounting • With built-in heater and IP65 protection optimally suitable for outdoor operation	• Direction logic function • Protection against power failure • Increased sensitivity	• Increased sensitivity
ExpertSystem XL CoverLine, ClickLine ExpertSystem XRF LBGate	ExpertSystem XL CoverLine, ClickLine ExpertSystem XRF LBGate	ExpertSystem XL S-Line	Pre-assembled loops Herkules 2E Helios 2T	Pre-assembled loops Herkules 2E Helios 2T
			ProLoop2 DIN rail ProLoop2 for 11-pin plug-in base	For one loop For two loops

Revolving door · Vertical door · Folding door · Barrier · Traffic lights · Bollard

Detectors for industrial doors and gates

ClickLine / CoverLine
Electrical safety edge system

Seamlessly integrated with click-fit or cover foot mounting

S-Line
Electrical miniature safety edge system

Available with or without sealing lips

LBGate
Thru-beam and reflection light barrier

For the detection of people and vehicles

	ClickLine / CoverLine	S-Line	LBGate	
Application				
Example from the field				
Product benefits	• In accordance with EN ISO 13856-2 and EN 12978	• In accordance with EN ISO 13856-2 and EN 12978	• Reliable protection in a range of up to 30 m	
Supplementary products	Safety switching devices Aluminium mounting profiles ExpertSystem XRF ProAccess	Safety switching devices ExpertSystem XRF ProAccess	Herkules 2E, Helios 2T ExpertSystem XL CoverLine, ClickLine ExpertSystem XRF	
Variants	Rubber profiles for the public transport sector or for pinching and shearing points on machines and systems	Rubber profiles for the public transport sector or for pinching and shearing points on machines and systems	LBGate R18 LBGate TB18 LBGate R25 LBGate R25.D	

Sliding gate · Vertical door · Folding door · Overhead door · Barrier

Detectors for pedestrian doors

PrimeTec	**PrimeScan**	**PrimeMotion**	**CleanSwitch**	**CleanSwitch Lock**
Motion and presence detector	Active infrared presence detector	Microwave motion detector	Contact-free switch	Contact-free lock

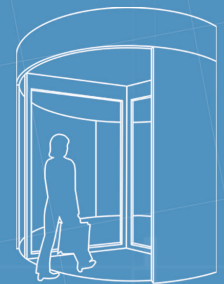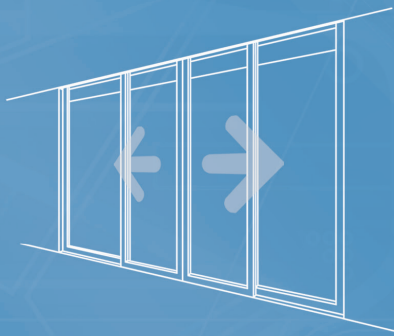| For activation and protection of primary closing edges	For protection of secondary closing edges	For activation of sliding doors, swing doors and revolving doors	For hygienic activation; can also be integrated into switch systems	For convenient locking; can also be integrated into switch systems

• Activation and
• A: Protection of escape and rescue routes
  B: Protection of secondary closing edges
	• Protection of secondary closing edges	• B: An activation sensor that can be used flexibly
		  C: Simple activation sensor for automatic doors
			• Attractive design
			• Compatible with standard flush-mounted boxes
			• Seamless integration into switch systems
				• No-touch hygienic door lock
				• Attractive design with visual feedback

PrimeScan PrimeMotion ArtMotion 2 Ceiling installation set PTIS IP65 (water-jet proof)	PrimeTec ArtMotion 2	PrimeTec PrimeScan TopScan UniScan	TopScan UniScan PrimeTec B Merkur 2	TopScan UniScan PrimeTec B Merkur 2
PrimeTec A: EN 16005 and DIN 18650 PrimeTec B: EN 16005	PrimeScan A: EN 16005 and DIN 18650 PrimeScan B: EN 16005	PrimeMotion B PrimeMotion C ArtMotion 2	CleanSwitch CleanSwitch Basic CleanSwitch Integration for: Hager, Feller, Gira, Jung	CleanSwitch Lock CleanSwitch Lock Integration for: Hager, Feller, Gira, Jung

Revolving door   Sliding door   Swing door
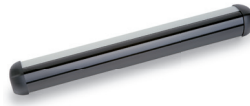
Detectors for pedestrian doors

Merkur 2
Microwave motion detector

Universally applicable with especially homogeneous field characteristics

UniScan / TopScan
Active infrared presence detector

Travelling on the door panel with extremely dense area protection/point protection

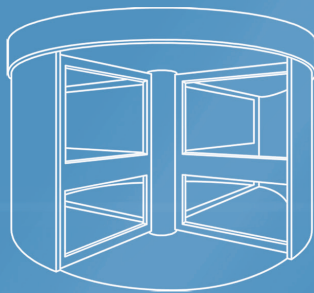### SpotScan
Active infrared presence detector

With variable applications

PIR 20 / PIR 30
Passive infrared motion detector

For people flow, small and easy to integrate

	Merkur 2	UniScan / TopScan	SpotScan	PIR 20 / PIR 30
Application				
Example from the field				
Product benefits	• Slow motion detection • Cross-traffic masking • Direction recognition	• In acc. DIN 18650/EN 16005 • Easy installation • Safety function irrespective of the background	• Presence detector for protecting various danger points	• Precise and highly varied detection areas
Supplementary products	PrimeTec TopScan, UniScan PrimeMotion ArtMotion 2	Merkur 2 PIR 20, PIR 30 PrimeMotion ArtMotion 2	PrimeMotion PIR 20, PIR 30 TopScan ArtMotion 2	UniScan TopScan
Variants	Merkur 2 ES Merkur 2 ES.C			

Sliding door — Swing door — Revolving door

Other applications

LBDoor
Light barrier

for automatic doors, escalators and industrial doors

DW
Pressure wave switches and safety edges

Available in an extremely wide range of versions

Safety switching devices

EsGate, ESD3, ESR3

For monitoring pressure-sensitive sensors

EsMatix 3

For protecting hazardous areas on machinery and plant

Safety mats
Pressure-sensitive safety mats

High variability in size, shape, colour, number of zones and electrical wiring

LBDoor	DW	EsGate, ESD3, ESR3	EsMatix 3	Safety mats
• Watertight housing IP67 • Insensitive to extraneous light • Mountable in pairs	• Proven safety for doors and industrial doors	• In accordance with EN ISO 13849-1 • PLd and e, cat. 2 and 3	• Short response time • EDM – external device monitoring • Program/diagnostic display	• In accordance with EN ISO 13856-1 • Any switching function
PrimeMotion ArtMotion 2 Merkur 2 PIR 20, PIR 30	Pressure wave surface switches (mats or pressure sensitive cells)	ExpertSystem XL CoverLine, ClickLine S-Line Safety mats ExpertSystem XRF	ExpertSystem XL CoverLine, ClickLine S-Line Safety mats	Safety switching devices Edge ramp
LBDoor TB12.D.N LBDoor TB12.N LBDoor TB12.D.P LBDoor TB12.P	D1 series: DW10, DW10s, DW20s, DW40 D3 series: D3-P, D3-PB	EsGate 2/3 ESD3, ESR3	EsMatix 3 EsMatix 3.D ESD3, ESR3	ESM-52/54 ESM-57 EMP, ES-Button CareMat

Sliding gate ⎸ Vertical door ⎸ Folding door ⎸ Overhead door ⎸ Industry ⎸ Public transport

Worldwide near you

Competent partners for our products are located in a large number of countries. Our specialists and authorised partners are very happy to offer personal advice and develop individual solutions with you.

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