

Sensorama

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

The company



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 characterized 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: bircher.com

Sensor solutions

ExpertSystem

ExpertSystem XL

Modular pressure-sensitive edge system



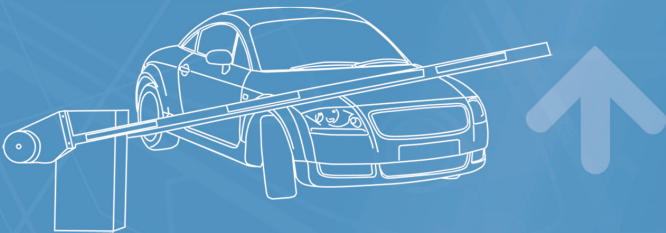
For gate applications

ExpertSystem XRF

Wireless signal transmission system



For applications with high requirements for performance and design



Application			
Example from the field			
Product benefits	<ul style="list-style-type: none"> • Heightened sensitivity and short response time • Fast assembly and easy installation • Attractive appearance 	<ul style="list-style-type: none"> • Short setup time • High interference immunity and long battery life • Safety level cat. 2, PLc or cat. 3, PLd available 	
Supplementary products	Hercules 2s ProLoop	Hercules 2s ProLoop	
Variants	Height x width in mm: 42 x 29, 49 x 36/42, 56 x 36/41, 74 x 37/43, 80 x 42, 99 x 44	1-channel, 2-channel, DIN housing, integrated transmitter, wicket door switch	



Detectors for industrial doors and gates

Hercules 2s

Microwave motion detector



For industrial doors

ProLoop2

Loop detector



For reliable monitoring and evaluation of induction loops

ProLoop Lite

Loop detector



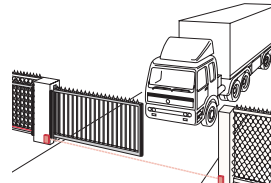
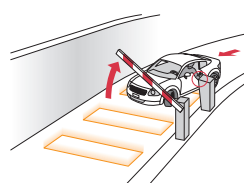
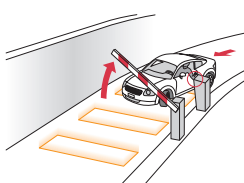
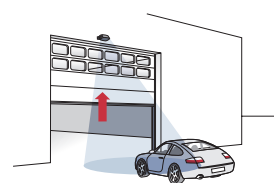
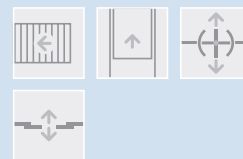
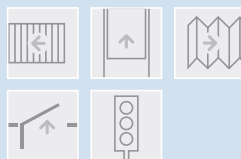
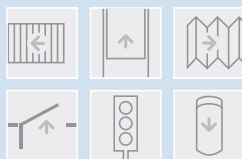
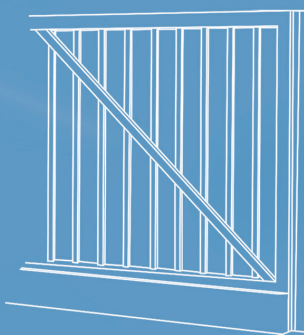
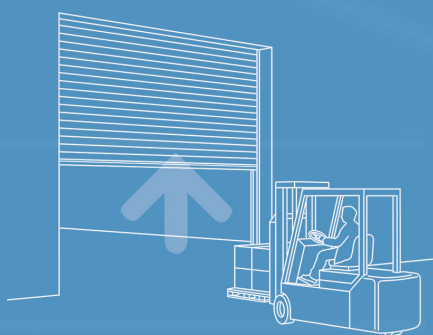
The compact standard version of ProLoop2

LBGate

Thru-beam and reflection light barrier



For the detection of people and vehicles



- Cross-traffic masking and direction recognition
- Person/vehicle distinction
- Pulse-on-exit functionality

- Direction logic function
- Protection against power failure
- Increased sensitivity

- Increased sensitivity

- Reliable protection in a range of up to 98.4 ft (30 m)

ExpertSystem XL
CoverLine, ClickLine
ExpertSystem XRF
LBGate

Pre-assembled loops
Hercules 2s

ProLoop2 DIN rail
ProLoop2 for 11-pin plug-in base

Pre-assembled loops
Hercules 2s

For one loop
For two loops

Hercules 2s
ExpertSystem XL
CoverLine, ClickLine
ExpertSystem XRF

LBGate R18, LBGate TB18
LBGate R25, LBGate R25.D

Detectors for industrial doors and gates

ClickLine

Electrical safety edge system



With click-fit mounting

CoverLine

Electrical safety edge system



Seamlessly integrated with cover foot mounting

S-Line

Electrical miniature safety edge system



Available with or without sealing lips



Application				
Example from the field				
Product benefits	<ul style="list-style-type: none"> In accordance with EN ISO 13856-2 and EN 12978 	<ul style="list-style-type: none"> In accordance with EN ISO 13856-2 and EN 12978 	<ul style="list-style-type: none"> In accordance with EN ISO 13856-2 and EN 12978 	
Supplementary products	Safety controllers Aluminium mounting profiles ExpertSystem XRF	Safety controllers Aluminium mounting profiles ExpertSystem XRF	Safety controllers 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	Rubber profiles for the public transport sector or for pinching and shearing points on machines and systems	



Detectors for pedestrian doors

PrimeTec

Motion and presence detector



For activation and protection of primary closing edges

PrimeScan

Active infrared presence detector



For protection of secondary closing edges

PrimeMotion

Microwave motion detector



For activation of sliding doors, swing doors and revolving doors

CleanSwitch

Contact-free switch



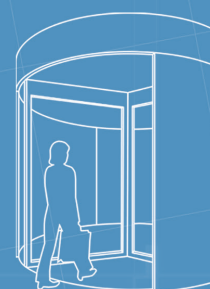
For hygienic activation; can also be integrated into switch systems

CleanSwitch Lock

Contact-free lock



For convenient locking; can also be integrated into switch systems



<ul style="list-style-type: none"> • Activation and • A: Protection of escape and rescue routes • B: Protection of secondary closing edges 	<ul style="list-style-type: none"> • Protection of secondary closing edges 	<ul style="list-style-type: none"> • B: An activation sensor that can be used flexibly • C: Simple activation sensor for automatic doors 	<ul style="list-style-type: none"> • Attractive design • Compatible with standard flush-mounted boxes • Seamless integration into switch systems 	<ul style="list-style-type: none"> • No-touch hygienic door lock • Attractive design with visual feedback 	
PrimeScan, PrimeMotion, Ceiling installation set PTIS IP65 (water-jet proof)	PrimeTec, Ceiling installation set PTIS IP65 (water-jet proof)	PrimeTec PrimeScan TopScan UniScan	TopScan UniScan PrimeTec Reflex 2	TopScan UniScan PrimeTec Reflex 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	CleanSwitch CleanSwitch Basic CleanSwitch Integration for: Hager, Feller, Gira, Jung	CleanSwitch Lock CleanSwitch Lock Integration for: Hager, Feller, Gira, Jung	

Detectors for pedestrian doors

Reflex 2

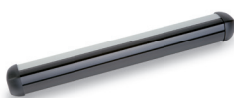
Microwave motion detector



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



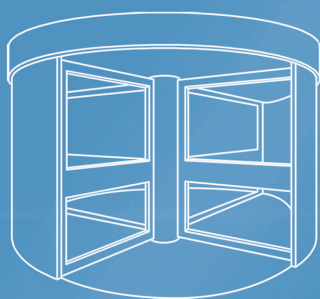
With variable applications













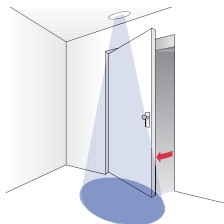

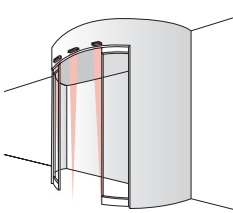
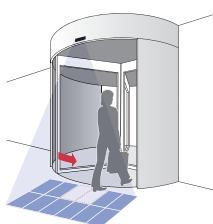
MicroSense/ThermoSense

Passive infrared motion detector



For people flow, small and easy to integrate



Application	  	  	  	  
Example from the field				
Product benefits	<ul style="list-style-type: none"> • Slow motion detection • Cross-traffic masking • Direction recognition 	<ul style="list-style-type: none"> • In acc. DIN 18650/EN 16005 • Easy installation • Safety function irrespective of the background 	<ul style="list-style-type: none"> • Presence detector for protecting various danger points 	<ul style="list-style-type: none"> • Precise and highly varied detection areas
Supplementary products	PrimeTec TopScan UniScan PrimeMotion	Reflex 2 MicroSense ThermoSense PrimeMotion	PrimeMotion MicroSense ThermoSense TopScan	UniScan TopScan
Variants	Reflex 2 ES Reflex 2 ES.C			



Other applications

LBDoor

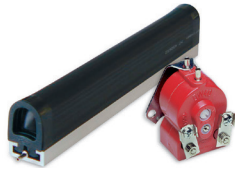
Light barrier



for automatic doors, escalators and industrial doors

Airwave Technology

Pressure wave switches and safety edges



Available in an extremely wide range of versions

Safety controllers

EsGate, ESD3, ESR3



For monitoring pressure-sensitive sensors

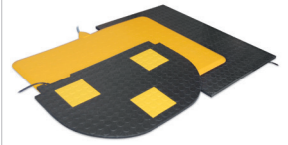
EsMatix 3



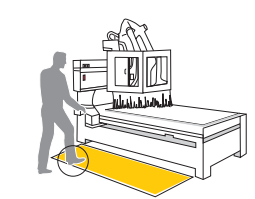
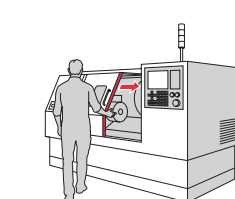
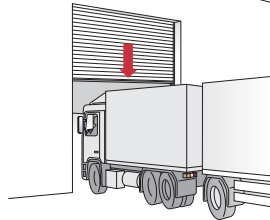
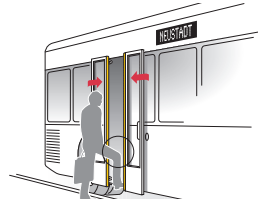
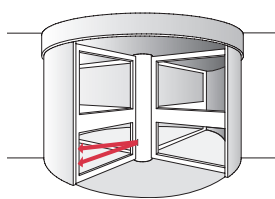
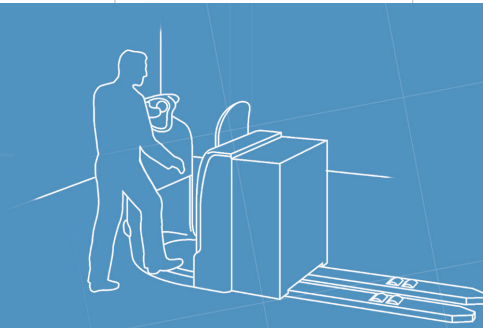
For protecting hazardous areas on machinery and plant

Safety mats

Pressure-sensitive safety mats



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



- 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
Reflex 2
MicroSense
ThermoSense

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 controllers
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

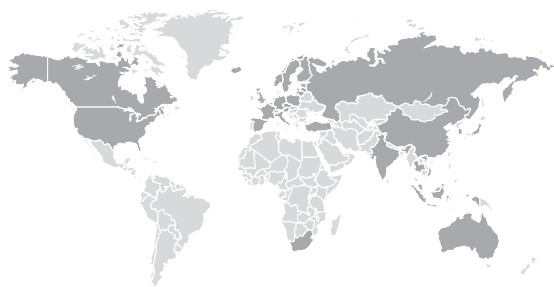


Industry



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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