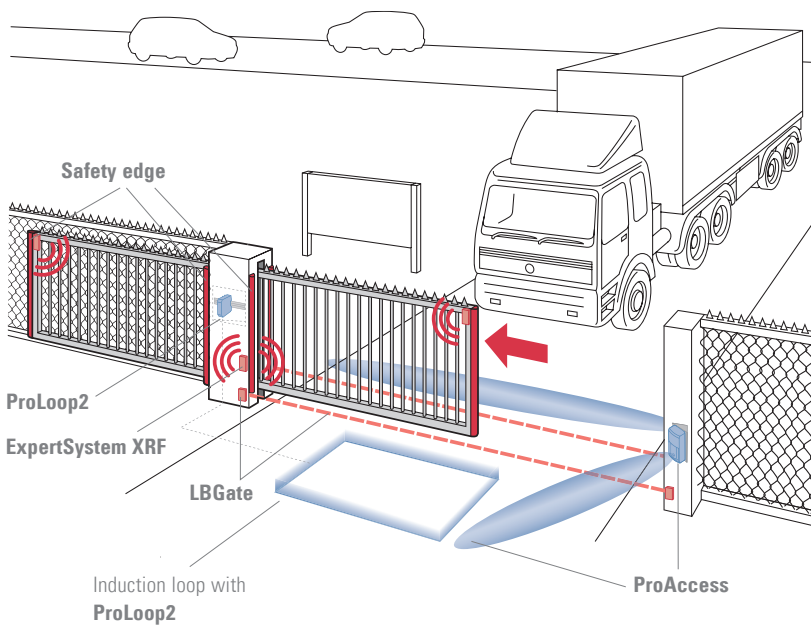


# Sensor systems for site entrance gates

- High level of safety thanks to reliable technology
- Quick and easy to install with programmable functions
- Comfort and safety for a wide variety of applications

## Application: access gate to site entrance



### Activation

#### Motion detector

ProAccess

#### Loop detector

ProLoop2

### Safety

#### Safety edge systems

Electrical safety edges  
(ExpertSystem XL, ClickLine, CoverLine)

#### Signal transmission system

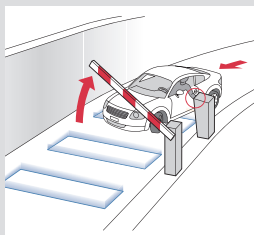
ExpertSystem XRF

#### Signal evaluation

Switching devices

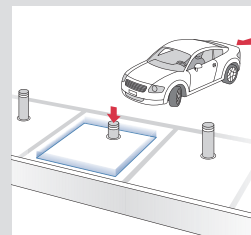
#### Light barrier

LBGate



### ProLoop2 in action in a barrier system

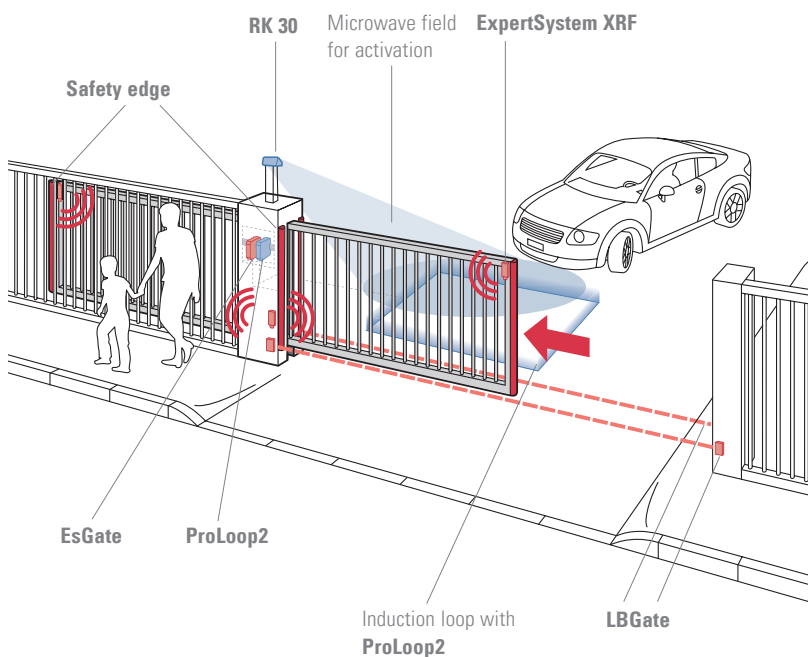
- Opening and closing of barriers within the entrance and exit area
- The opening sensor of the barrier can also be used for counting
- Activation of ticket dispenser



### ProLoop2 in action in bollards

- Activation of bollards at entrances, car parks, streets and pedestrian zones
- Prevents false tripping when the bollard is activated
- No collision between the vehicle and the bollard, even after a power failure

## Application: access gate to private entrance



### Activation

#### Motion detector

RK 30

#### Loop detector

ProLoop2

### Safety

#### Safety edge systems

Electrical safety edges  
(ExpertSystem XL, ClickLine, CoverLine)

#### Wireless signal transmission system

ExpertSystem XRF

#### Signal evaluation

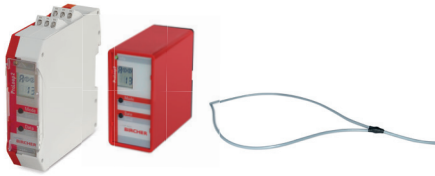
Switching devices

#### Light barrier

LBGate

# Products

## Smart Access



### ProLoop2

Programmable loop detector

Reliable evaluation and monitoring of induction loops

#### Special features

- Intuitive user interface with LCD display
- Quick startup thanks to automatic configuration (Plug&Play)
- Simulation mode
- Loop inductivity display
- For DIN rail or combined with 11-pin connection
- Highly sensitive, also suitable for bicycles



### ProAccess

Microwave and ultrasonic sensor

Vehicle detection sensor for barriers and gates

#### Special features

- Above ground mounting without surfacing work
- Sensitivity and detection angle ( $\pm 30^\circ$ ) can be adjusted
- Built-in heater and IP65
- Reliable detection up to 20 km/h (12 mph)
- Object differentiation can filter out pedestrian traffic
- Material-independent detection of vehicles



### RK 30

Microwave motion detector

For convenient activation of automatic gate systems

#### Special features

- Easy installation
- Optimal cost/benefit ratio
- Compact design
- The interference of ambient influences is masked automatically



### ExpertSystem XL

Electrical safety edges

Modular pressure-sensitive edge system for gate applications

#### Special features

- High sensitivity and quick response time
- Fast assembly and easy installation
- Water-tight and long service life
- Concealed mounting rail
- Type tested according to EN 12978 in combination with BBC Bircher evaluation units



### ClickLine

Electrical safety edges

Standard profiles for all door and gate applications

#### Special features

- Individual versions to suit customer requirements
- Water-tight and long service life
- Type tested according to EN 12978 in combination with BBC Bircher evaluation units



### CoverLine

Electrical safety edges

Optimal profile shape for extremely easy installation

#### Special features

- Individual model to suit customer requirements
- Water-tight and long service life
- Concealed mounting rail
- Suitable large and/or small doors and gates
- Type tested according to EN 12978 in combination with BBC Bircher evaluation units



### ExpertSystem XRF

Wireless signal transmission system

Wireless transmission of the status of electric safety edges

#### Special features

- Two-channel: separate evaluation e.g. for safety edge and secondary doors
- Up to 7 transmitters per receiver
- Type tested in acc. with EN ISO 13849-1
- Integrated signal quality indicator (BSI)



### EsGate

Switching device for the evaluation of electric safety edges

Especially developed for door applications

#### Special features

- High level of safety
- Intuitive user interface with LCD display
- Type tested in acc. with EN ISO 13849-1



### LBGate

One-way/reflection light barrier

Industrial light barrier: small, reliable and robust

#### Special features

- Insensitive to disturbing light
- Easy to install
- With terminal compartment or cable
- Insensitive to influencing factors such as energy-saving light bulbs, shiny, reflecting objects

## BBC Bircher Smart Access



BBC Bircher Smart Access with its headquarters in Beringen, Switzerland, is the specialist for pressure-sensitive and contact-free sensor systems. We offer solutions for automatic doors and gates for public transport, industry and the care sector. Precious long-term and cooperative customer relations, expert know-how and ground-breaking innovations have been shaping our success for more than 50 years.

The staff at BBC Bircher Smart Access is fully committed to offer efficient and high-quality solutions for you on a daily basis.

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.

An international contact overview can be found on our website at [bircher.com](http://bircher.com)

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