ELIX

Smart opening sensor for automatic doors

APPLICATIONS

TECHNOLOGY

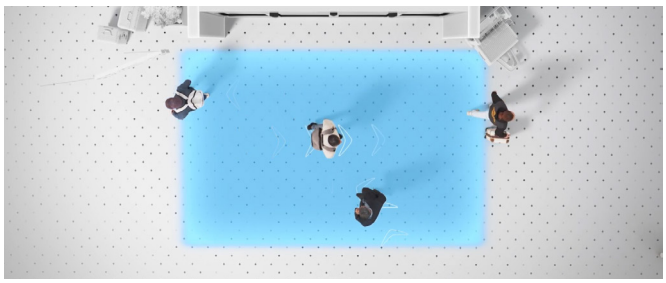
Microwave FMCW (MoWa Inside)

DESCRIPTION

The **ELIX opens the next era of people flow management**, powered by advanced FMCW technology. The sensor understands movement and adapts its behaviour to the flow of people. It opens the door matching their intention to pass. By analyzing direction and speed, it ensures a smooth and comfortable passage while optimizing every opening. In doing so, it also prevents unnecessary energy loss.

VIDEO

Discover the product video on our youtube channel **BEA Sensors Europe**
l.ead.me/bfV7KY



Adaptive to multiple flows

Based on the direction of approach, the user's speed (whether fast or slow), and the intention to pass the door, Elix ensures a seamless passage. **ELIX reduces wasted openings, while creating comfort.**

Open Smart. Save energy.

With **precise detection fields and customizable zones**, it excludes irrelevant zones like waiting areas, avoiding unnecessary openings and saving energy. Even in demanding conditions (metallic surfaces, crowded spaces), it ensures stable performance.

Step by step mobile app setup

Follow the step-by-step instructions on the mobile app and see the detection field live, adjust all parameters instantly. And on top, no more mechanical finetuning. Ready to go!

One sensor. Flexible position.

A **single sensor** can be placed on the opening side of a double swing door, replacing two overhead sensors. On the Right, on the left or in the middle, you decide of its position on the door operator. Less constraints, more flexibility.

APPLICATIONS

Swing door airlock & corridors
No more unwanted door movement. The Elix prevents ghost activations and keeps passage fluid.

Shopping street
By analysing the direction of approach, The Elix filters out cross-traffic.

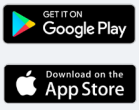
People flow anticipation
Adapts dynamically to pedestrian speed and direction, opening the door when intended.

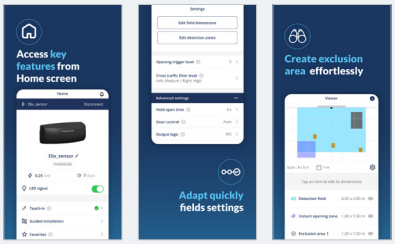
INSTALLATION

- Plug and Leave: no mechanical finetuning required.
- Mobile app guides you step by step for fast and simple configuration.
- Real-time visualization of detection fields and parameter settings for precise tuning.

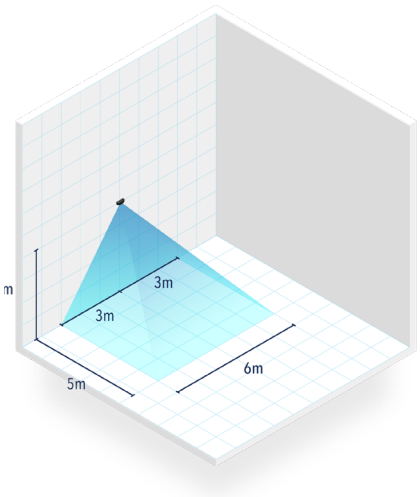
APP

Download
the ELIX app





TECHNICAL SPECIFICATIONS



Technology	FMCW, Mowa Inside (microwave)
Detection mode	Motion
Installation height	Max. : 4m Min. : 1.8m
Transmitter frequency	60 GHz
Transmitter radiated power	< 20 dBm EIRP
Transmitter power density	< 5 mW/cm²
Max. detection range	-
Max detection speed	-
Supply voltage	12V to 24V AC +/- 10% (50-60 Hz) ; 12V to 24V DC +30% / - 10%
Max power comsuption	< 1 W
Output Max. switching voltage Max. switching current	Solid-state relay (free of polarity) 30V AC / 42V DC 100mA (resistive)
Dimensions	120 mm (L) x 50 mm (H) x 50 mm (W)
Material - Color	ABS - Black
Protection degree	IP54 (IEC/EN 60529)
Temperature range	From -20°C to +55°C
Weight	120g
Cable length	2.5m
Conformity	This product conforms to all applicable European Union legislation. Please refer to the Declaration of Conformity for further information.

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