



Sensors for pedestrian doors/
Sensors for swing doors (safety)

FUTURESENSE

MICROWAVE
Technology

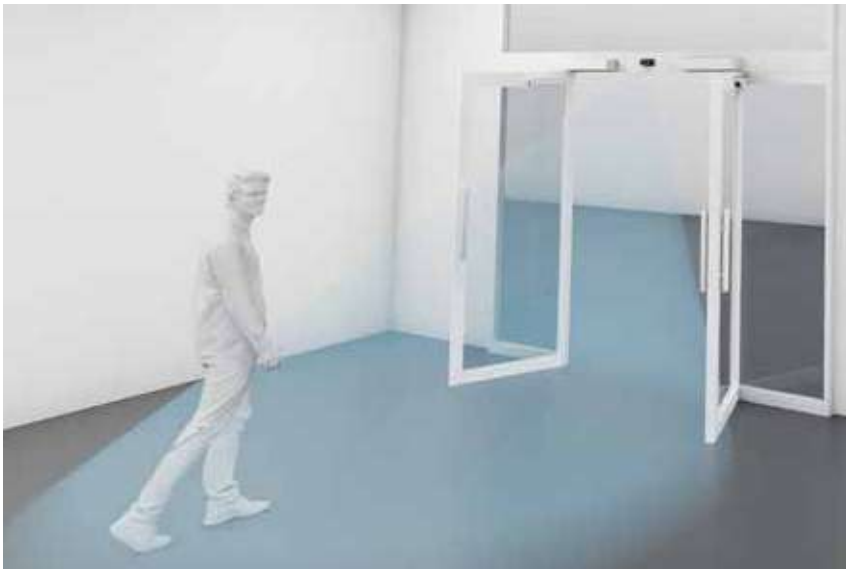


Smart activation sensor for automatic doors

FutureSense is a multidimensional radar sensor for swing and revolving doors. Its latest door activation technology based on FMCW (frequency-modulated continuous wave) enables human behavior analytics. This cutting-edge software continuously tracks key human movement parameters, such as approach, direction, and velocity to determine genuine intent to enter.

FutureSense marks the next generation of smart sensing solutions.

It maximizes comfort and energy savings by tracking the movement and behavior of an object, only opening when necessary.



Adaptive door behavior

Object tracking

Unlike traditional door activation sensor technology, which relies on interpreting signals and movement of target objects, FutureSense is one step ahead. With real-time object tracking, the sensor uses information based on object behavior, such as position, speed, and direction.

Human behavior analytics

This data is then used to identify approach and true intent to access. In combination with multiple configurable parameters, the sensor determines if and when to activate the door opening.

Advanced cross-traffic suppression

New technology suppresses cross traffic more effectively. All other disturbances not involving movement toward the door are ignored.



The **integrated LEDs** provide clear visual feedback, combining functional performance with modern design.

They indicate the operating status of the sensor, as well as its detection and activation.

Human behavior recognition

The sensor recognizes human behavior, including approach patterns and intent to access, in order to determine exactly when to initiate door opening. This intelligence helps prevent unnecessary opening and ensures more efficient, reliable door operation.



APPLICATIONS

Swing doors

This innovative activation of swing doors is ideal for smart buildings, offices, and public facilities.

Revolving doors

Its advanced cross-traffic suppression technology distinguishes between moving and stationary objects, triggering the revolving door only when it detects an intent to enter.

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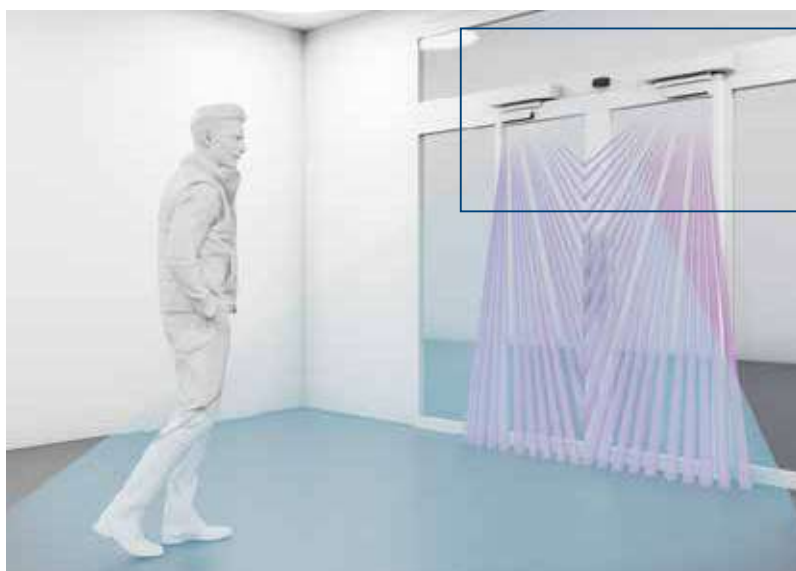
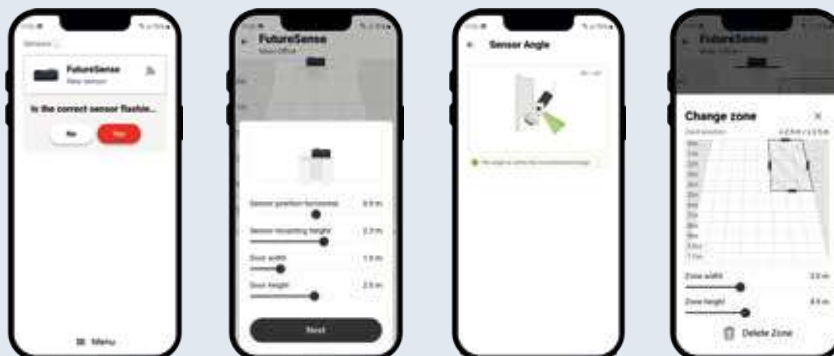


Download the **mobile app** and configure your FutureSense sensor via Bluetooth to ensure a fully functional door system.



Live adjustments

Parameters such as mounting position, detection range, and exclusion zones can be set directly in the app and updated simultaneously. Real-time status updates and notifications ensure that users are up to date and ready to react at all times. The app also allows you to update sensor firmware and access manuals directly for quick reference.



Combining **FutureSense** as the activation sensor with the **SolidSense** safety sensor creates a complete solution for efficient activation and reliable protection of automatic doors in accordance with EN 16005.



APE - 791 / 486196



**FUTURESENSE
Safety sensor**

- **Technology:** Radar FMCW
- **Operating voltage:** 12 V DC ÷ 36 V DC / min. 18 V AC, max. 28 V AC (50 Hz / 60 Hz)
- **Operating current:** max. 120 mA a 24 V
- **Radar transmission frequency:** 60 Ghz
- **Radar output:** solid state relay, max. 36 V DC / 24 V AC, max. 250 mA
- **Field dimensions (L x P):** max. 5,00 x 6,00 m configurable via mobile app
- **Housing material:** ABS black color
- **Mounting height:** from 2 to 3,5 m
- **Connection:** 3 m cable with plug connector
- **Degree of Protection:** IP54 (EN 60529)
- **Inrush current:** max. 1 A
- **Operating temperature:** da -20 °C a +60 °C
- **Relative humidity:** max 95% non-condensing
- **Dimensions:** 105 x 49 x 35 mm (L x L x P)
- **Certifications:** RED2014/53/EU; RoHS2011/65/EU

