

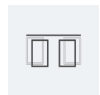


# ORASCAN

Opening & safety sensor  
for automatic sliding doors



## APPLICATIONS



## TECHNOLOGY

Radar & Laser

## CONFORMITY



## DESCRIPTION

Experience **ultimate peace of mind** with the ORASCAN. It is the first ever opening and safety sensor for sliding doors, **combining radar and laser technology**. The Artek inside radar technology offers comfortable and energy-saving opening, and the time-of-flight laser technology ensures a 100% safety coverage of the door. With this **all-in-one sensing solution**, comfort and safety are guaranteed for all users everywhere.

## DOWNLOAD



### Push & comply

A **safe and compliant** installation is now accessible to everyone in no time. **With only 1 push**, the ORASCAN measures the door dimensions and positions the laser curtains automatically, regardless of the environment or door type. **No extra settings and no return on site** are needed, even if the floor is not finished during sensor installation.



### One fits all

The ORASCAN is a versatile solution for **all sizes and types of automatic sliding doors** including large doors, telescopic doors, hermetic doors, fire doors, escape routes. Moreover, one sensor can cover **all needed functions** like opening, threshold safety, side screen safety or virtual opening buttons.



### Floor & weatherproof

The laser technology, which has proven itself on the field since 2008, is completely independent of the background. The ORASCAN can therefore be installed **on any type of flooring and in any type of weather**. Harsh winter conditions are no issue.



### Ultimate safety

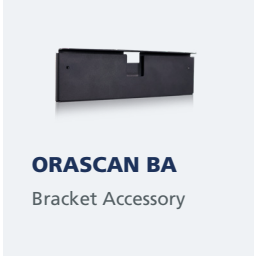
The ORASCAN secures the leading edge and the **complete height, width and depth of the door threshold**. Contact with the moving door leaves is avoided for everyone in any situation. Also need side screen safety? The ORASCAN has it covered.

## VERSIONS

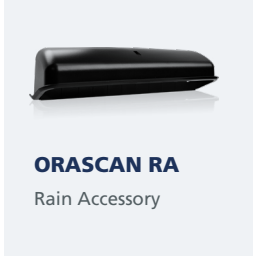


**ORASCAN KIT T**  
for door controllers  
with 0/24V monitoring

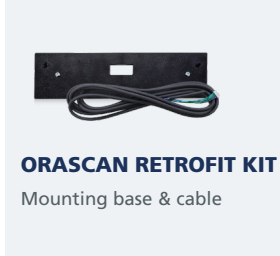
## ACCESSORIES



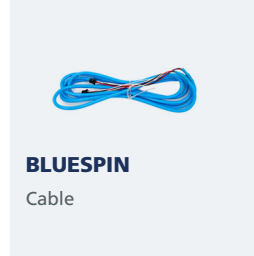
**ORASCAN BA**  
Bracket Accessory



**ORASCAN RA**  
Rain Accessory



**ORASCAN RETROFIT KIT**  
Mounting base & cable



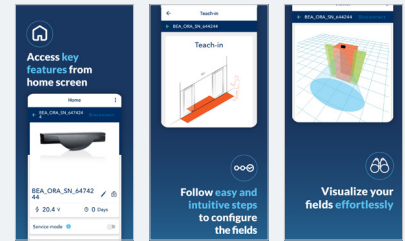
**BLUESPIN**  
Cable

## INSTALLATION

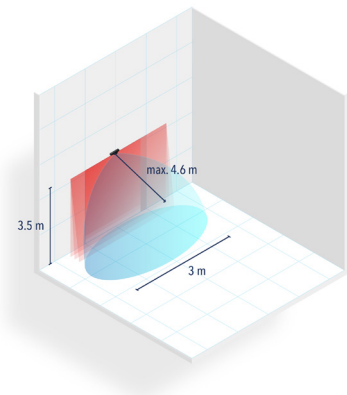
- Push & comply installation: automatic teach-in learns complete environment & door and positions safety curtains accordingly.
- BlueSpin connectivity to enhance communication between the sensors on each side.
- Intuitive app for detection field visualization and fine-tuning of settings.

## APP

Download Orascal Set to see the invisible!



## TECHNICAL SPECIFICATIONS



<b>Supply voltage</b>	12 V - 30 V DC +/- 10%	
<b>Max power consumption</b>	< 5W	
<b>Mounting height</b>	2 m to 3.5 m	
<b>Temperature range</b>	-25°C to +55°C; 0-95% relative humidity, non condensing	
<b>Vibrations</b>	< 2G	
<b>Degree of protection</b>	IP54 (EN 60529)	
<b>Material</b>	PC/ASA	
<b>Bluetooth ®</b>	Operating bandwidth: 2402 MHz - 2480 MHz/ Maximum transmitted power: 12 dBm	
<b>Technology</b>	<p><b>Microwave doppler radar</b></p> <p>Transmitter frequency: 24.150 GHz</p> <p>Transmitter radiated power: &lt; 20dBm EIRP</p> <p>Transmitter power density: &lt; 5 mW/cm<sup>2</sup></p> <p>Min. detection speed: 5 cm/s</p>	<p><b>Laser-scanner time-of-flight measurement</b></p> <p>Max. detection range: 4.6m (diagonal) with reflectivity ≥ 2%</p> <p>Field of view: 180°</p> <p>Angular resolution: 0.72°</p> <p>Typ. Min. object size: 5cm @ 4m</p> <p>Optical characteristics (IEC/EN 60825-1): IR LASER: wavelength 905nm; output power &lt; 0.1mW; Class 1</p> <p>Response time: typ. &lt; 180ms (max 680ms)</p> <p>Tilt angle: 0° to -7°</p> <p>Test body: 700 mm x 300 mm x 200 mm (testbody CA according to EN 16005 &amp; DIN 18650)</p>
<b>Detection mode</b>	Motion	Presence

*Specifications are subject to changes without prior notice. All values measured in specific conditions*

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