ORASCAN

Opening & safety sensor
for automatic sliding doors

APPLICATIONS

TECHNOLOGY

Radar & Laser

CONFORMITY

DESCRIPTION

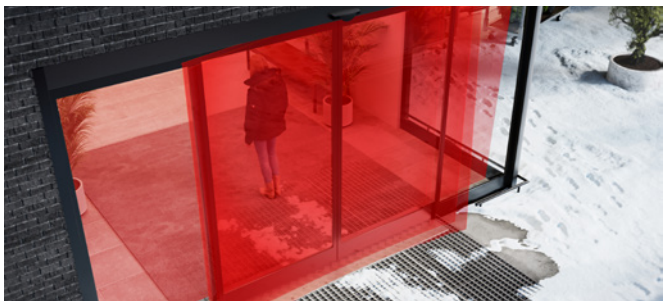
Experience **ultimate peace of mind** with the ORASCAN. It is the first ever opening and safety sensor for sliding doors, **combining radar and laser technology**. The Artek inside radar technology offers comfortable and energy-saving opening, and the time-of-flight laser technology ensures a 100% safety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

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
Kit for door controllers with 0/24V monitoring

ORASCAN KIT P
Kit for door controllers with pulsed monitoring/ safety signal (threshold & side screen safety)

ORASCAN KIT H
Kit for door controllers with pulsed threshold monitoring and 0/24V side screen monitoring

ACCESSORIES

ORASCAN BA
Bracket Accessory

ORASCAN RA
Rain Accessory

COMING SOON

ORASCAN CA
Ceiling accessory

ORASCAN RETROFIT
Mounting base

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.

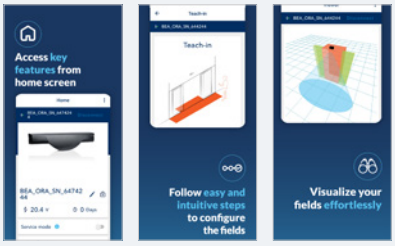
APP

Download
Orascan Set
to see the invisible!

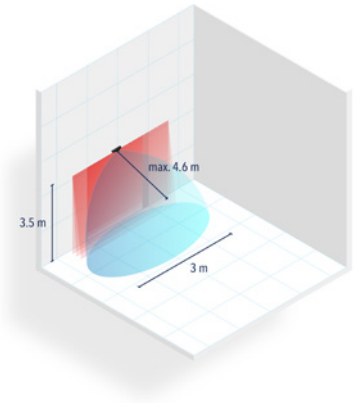
ORASCAN

GET IT ON Google Play

Download on the App Store



TECHNICAL SPECIFICATIONS



Supply voltage	12 V - 30 V DC +/- 10%	
Max power consumption	< 5W	
Mounting height	2 m to 3.5 m	
Temperature range	-25°C to +55°C; 0-95% relative humidity, non condensing	
Vibrations	< 2G	
Degree of protection	IP54 (EN 60529)	
Material	PC/ASA	
Bluetooth ®	Operating bandwidth: 2402 MHz – 2480 MHz / Maximum transmitted power: 12 dBm	
Technology	Microwave doppler radar Transmitter frequency: 24.150 GHz Transmitter radiated power: < 20dBm EIRP Transmitter power density: < 5 mW/cm² Min. detection speed: 5 cm/s	Laser-scanner time-of-flight measurement Max. detection range: 4.6m (diagonal) with reflectivity ≥ 2% Field of view: 180° Angular resolution: 0.72° Typ. Min. object size: 5cm @ 4m Optical characteristics (IEC/EN 60825-1): IR LASER: wavelength 905nm; output power < 0.1mW; Class 1 Response time: typ. < 180ms (max 680ms) Tilt angle: 0° to -7° Test body: 700 mm × 300 mm × 200 mm (testbody CA according to EN 16005 & DIN 18650)
Detection mode	Motion	Presence

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