BEA

ORASCAN

Opening & safety sensor
for automatic sliding doors

APPLICATIONS	TECHNOLOGY	CONFORMITY
	Radar & Laser	TÜV NORD · TÜV NORD CERT GmbH · Baumuster geprüft · tuev-nord.de · EN 16005 · DIN 18650

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.

VIDEO

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

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

ORASCAN RETROFIT KIT
Mounting base & cable

ORASCAN TILT
Tilt accessory

SEE MORE
l.ead.me/bfQ9ac

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!
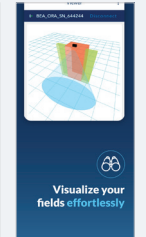
GET IT ON Google Play

Download on the App Store
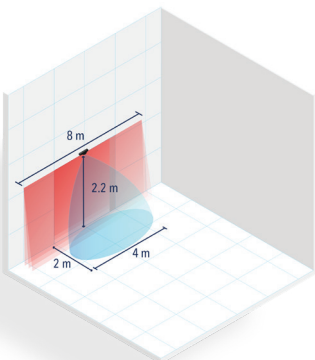
Access key features from home screen

Follow easy and intuitive steps to configure the fields

Visualize your fields effortlessly

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

8 m

2.2 m

2 m   4 m

ORASCAN OPENING & SAFETY SENSOR

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