

# TECKENTRUP „easy2open“

## The added convenience

With the Teckentrup „easy2open“, you can use your door even more efficiently.

The 2in1 system combines a radar motion detector and an active infrared presence sensor in one device. Through presence sensor, the foreground is optimally secured. This means that the door does not close unintentionally if there are people or vehicles in front of the door. The radar motion detector ensures reliable opening.

Blanking of cross traffic and passenger traffic can be optionally programmed. A vehicle or object in proximity of the door is reliably detected by the presence range of the infrared technology.

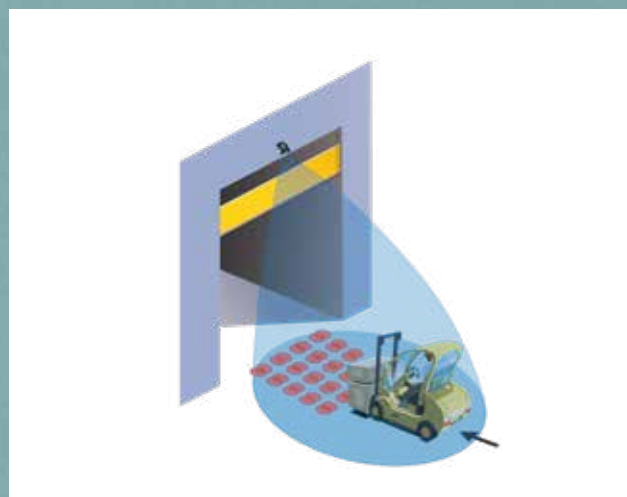


### Your Advantages

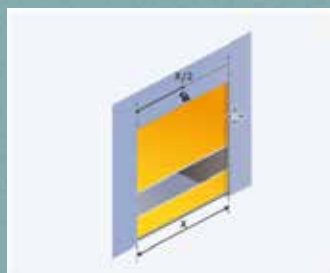
- ✓ Easy installation
- ✓ Adjustable Detection Area

## Performances

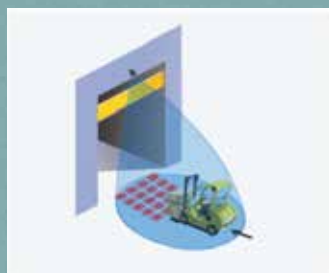
- The motion detection can be adjusted to the environment without any problems.
- The planar antenna is characterised by a precise filter for pedestrians/vehicles and a reliable parallel traffic suppression.
- The presence range detects every vehicle that is in front of the door.
- The presence detection reduces stopping times of the door. This allows energy savings in proportion to the the number of times the door is opened.
- The „easy2open“ is also an alternative to the induction loop and caters for a quick installation ready for immediate operation.



Teckentrup „easy2open“ up to 6000mm door height



Recommended installation for optimal performance



Reliable opening (radar)



Foreground protection (infrared)



Optional: Hide parallel traffic and pedestrians

## Applications

- High doors (up to 6 m): easy2open

## Designed for industrial environments

- Up to 6 m door height
- Immunity to door vibrations and environmental disturbances
- Robust housing, suitable for industrial environments
- IP65 protection class

## Ease of installation

- Easy installation (plug and play)
- Great flexibility thanks to remote control and spot finder (can be ordered optionally)

Technical data		
Technologie	Technology Microwave Doppler Radar	Active Infrared
Detection mode	Motion	Motion & Presence
Transmission frequency/ wavelength	24.150 GHz	875 nm
Density of output power	< 5 mW/cm <sup>2</sup>	< 250mW/m <sup>2</sup>
Detection field	Up to 4 x 5 m	Up to 4 x 4 m
Response time	100 ms	250 ms
Min. object speed	5 cm/s	5 cm/s to trigger detection
Tilt angle	-8° - 22°	15° - 45°
LED Signal	Green	Red
Power supply	12 V to 24 V AC + 10 % / - 10 % 12 V to 24 V DC + 10 % / - 3 %	
Mains frequency	50 to 60 Hz	
Power consumption	< 3,5 W/VA	
Output	2 relays with potential-free change-over contact (voltage-free)	
Max. Contact voltage	42V AC / DC	
Max. Contact current	1 A (resistive)	
Max. Switching capacity	30 W (DC) / 48 VA (AC)	
Output hold time	0,5 s	
Temperature range	From -30 °C bis +60 °C	
Cable length	10 m	
Mounting height	2 m - 6 m (depending on size and type of target)	
Dimensions	127 mm (D) x 102 mm (W) x 96 mm (H)	
Protection class	IP65	
Humidity	0 - 95 % non-condensing	
Material	ABS and polycarbonate	
Conformity to standards	RED 2014/53/EU; ROHS 2 2011/65/EU	