

TECKENTRUP „basic2open“

The simple solution for opening industrial doors

The Teckentrup „basic2open“ gives you the option to easily open your industrial door.

The system is a radar motion detector with direction detection for industrial doors. The direction detection ensures the function of the door is optimised. The system detects all movements, persons and parallel traffic can be faded out as required. The suppression of parallel traffic helps to limit false triggers.

The opening sensor is equipped with a robust housing, protection class IP65 and immunity against vibrations and disturbances on the door particularly well suited for industrial environments.

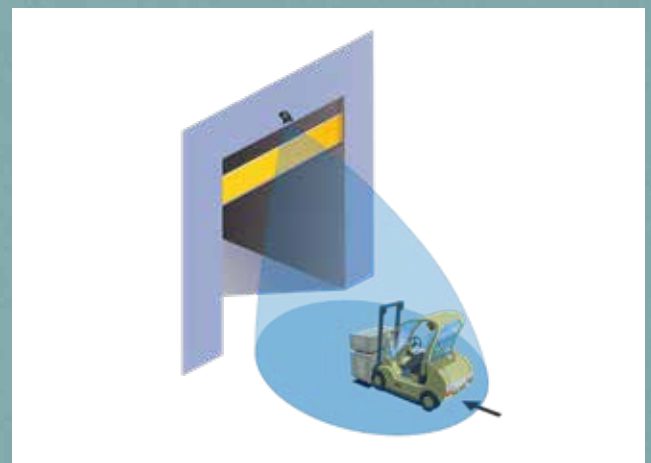


Your Advantages

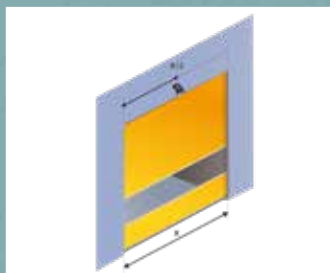
- ✓ Easy Installation
- ✓ Adjustable Detection Area

Performances

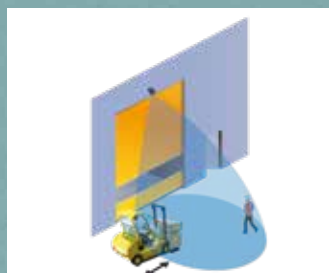
- The direction detection reduces the opening cycles and helps to save energy costs.
- By means of blanking persons, only vehicles can be detected.
- The planar antenna is distinguished by a precise filter for pedestrians / vehicles and and reliable parallel traffic blanking. It offers: digital evaluation of the signal and immunity and stability of the detection area.
- Precision and performance depend on the mounting height: The „basic2open“ with its 9-element antenna offers optimal detection at an installation height of up to 7 metres.



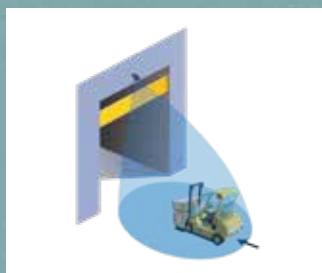
Teckentrup „basic2open“ up to 6000mm door height



Recommended installation for optimal performance



Hide parallel traffic



Hiding pedestrians, only vehicles are detected

Applications

- High doors (up to 6 m): basic2open.

Designed for industrial environments

- Up to 6 m door height
- Very robust housing , suitable for industrial applications.
- Protection class : IP65.

Ease of installation

- Easy installation (plug and play)
- Convenient parameterisation thanks to push button and remote control.

Technical data	
Technology	Microwave Doppler Radar
Transmission frequency/wave length	24.150 GHz
Transmission power	< 20 dBm EIRP
Density of output power	< 5 mW/cm ²
Detection mode	Motion
Detection field	Up to 4 x 5 m (basic2open) up to 4 x 2 m (basic2open-S)
Response time	100 ms
Hold time	0,5 s - 9 s (adjustable)
Tilt angle	0° bis 180° vertical
Min. detection speed	5 cm/s (under optimum conditions)
LED signal	Red: detection, parameter display; Green: value display
Power supply	12V bis 24V AC ±10%; 12V bis 24V DC +30% / -10%
Mains frequency	50 to 60 Hz
Output	Relay (potential-free relay contacts)
Max. Contact voltage	42V AC/DC
Max. Contact current	1A (resistive)
Max. Switching capacity	30W (DC) / 60VA (AC)
Temperature range	From -30 °C bis +60 °C
Mounting height	Up to 6 m (depending on size and type of target)
Dimensions	127 mm (W) × 102 mm (H) × 96 mm (D)
Protection class	IP65
Humidity	0 - 95 % non-condensing
Material	ABS and polycarbonate
Conformity to standards	RED 2014/53/EU; ROHS 2 2011/65/EU