



wavetec Basic Detector

- For simple, constant movement detection
- Variable installation location
- Spatial unit of sensor and detector
- Selection of motion-direction
- Distances of measurement: 0 – 200 m to the moving object
- Power relay exit 2 kVA

Application

Radar detectors are movement measuring units, i.e. the speed and/or movement of objects is detected. The "movement message" can be converted over an attached terminal into any signal.

Important operational areas are traffic speed measurements, train- and bus-recognition, traffic jam information, traffic analysis and door-, gate- and space-monitoring.

As part of a traffic light device, Basic Detektor replaces simply and economically inductance loop systems. Also motorcycles are recognized without problems.

Installation

The installation of wavetec Basic Detektor can take place in a distance of up to 200 m of the object and in any angle between 0° and 90° to the object.

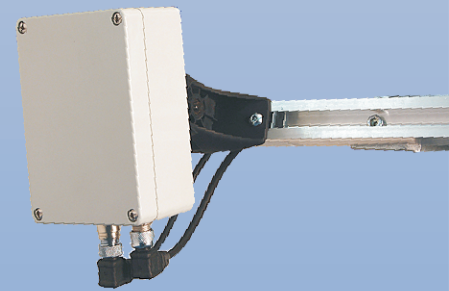
Characteristics

- Very high measuring range and measuring quality, independently of the speed or acceleration of the object
- The smallest measurable speed is less than 1 km/h
- The changeable values - as p.e. signal reinforcement, direction of motion - are easily

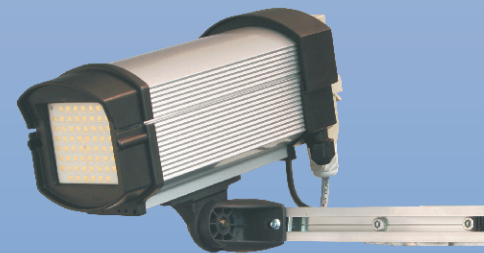
Technical overview

Sensor:	Stereo-Doppler-Radar 24,125 GHz
Antenna:	Wide-beam-antenna, 30° x 32°, or Spear-beam-antenna*, 12° x 25°
Ranges:	0 – 300 m (typ. 200 m)
Detection:	Motion bidirectional
Capacity:	5 m W
Energy supply:	9 – 40 V DC or 8 – 230 V AC*, typ. 80 mA @ 12 V
Output	Power Relay* 100 V DC / 10 A Reed-Relay 100 V DC, 0,5 A, 3 W
Housing:	IP65; With "Spear-beam": 125 mm x 80 mm x 57 mm With "Wide-beam": 125 mm x 80 mm x 85 mm
Temperature:	-20° to +70°C

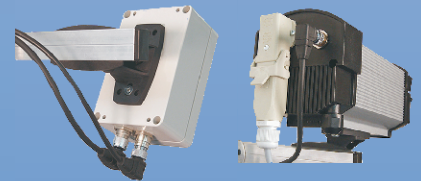
* Options as required



Pluggable version*



Aluminium housing*



view from the back