FEIG

EN 12453
LEVEL D

MWD SBP-10p

# SMART RADAR SCANNER FOR BARRIER SYSTEMS

- Simple, convenient installation without modifying the road surface
- Reliable object detection, whether moving or stationary, in detection and safety areas of barrier systems
- Ensuring safe differentiation between vehicles and pedestrians for barrier control
- Easy set up and adaption to barrier access points and their detection areas via mobile app
- Reliable function in harsh environmental conditions



**FEIG radar scanner for parking space applications and access roads**

The MWD SBP-10p radar scanner is an intelligent detection device for detecting static and dynamic objects at barrier systems. Based on millimeter wave technology, this system detects both people and vehicles in defined areas and enables reliable barrier operation. Cross-traffic suppression and direction of movement detection ensure targeted passage for objects. An additional distinction is made between people and vehicles in order to allow access only to authorised objects.

The powerful radar technology and specific detection algorithms enable robustness against a wide range of weather conditions such as rain, snow and fog.

Optical feedback is provided by specific colored LEDs, visible at the device front directly. This enables status and diagnostic detection directly on the barrier system.

A secure, access-restricted Bluetooth interface is used for simple commissioning, guided setting of detection areas and further data communication by use of belonging FEIG Scanner Assistant App.

**Special features:**

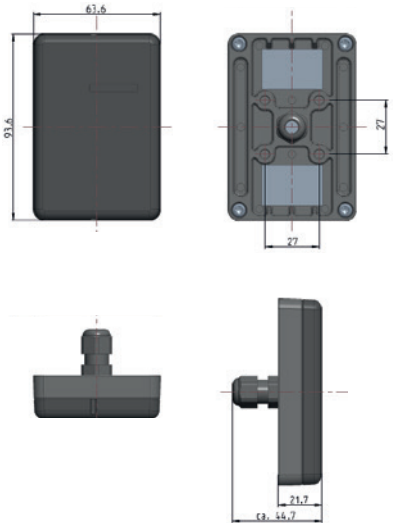
- Intuitive environmental teach in function and device configuration via mobile app
- Definition of objects to be detected for barrier opening and safety area
- Tracking of static and dynamic objects
- Product-Lifecycle-Management, new feature updates and maintenance via Bluetooth and mobile app
- Open cable connection for the output of 3 switching signals:
  - Open-/ Presence area
  - Safety area (further output functions adjustable)
  - 3rd output specific adjustable
    - Drive through detection, counting ETC.
- Regulary updates for new device functions / features available and upload via APP easy possible locally
- Data backup of config files and plant commissioning report can be saved on mobile devices locally, furthermore upload to typical clouds solutions (Microsoft, Google, Apple ETC.) possible
- Robust compact housing with protected connection for preventing unauthorized tampering

# MWD SBP-10p

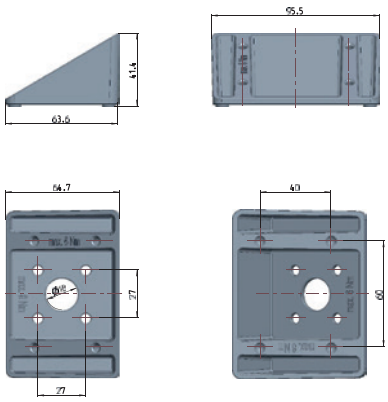
## Technical Data

| | |
|---|---|
| Housing | Polycarbonate, Die-cast aluminum |
| Dimensions (w x h x d) | 63.6 x 93.6 x 21.7 mm |
| Weight | 300 g |
| Connection | 10-pin cable 0.25 mm², 1.9 m |
| Protection class | IP65 |
| Power supply | 9 - 30 V DC |
| Power consumption | max. 1.8 W |
| Temperature range | -30° C - 55° C |
| Frequency range | 60 - 64 GHz |
| Technology | mmWave-Radar, FMCW |
| Mounting | 4 x M5 Fixing screws |
| Mounting height | 0.3 - 0.9 m, EN 12453 protection level D: max. 0.7 m<br>a) with mounting wedge 30° (accessory)<br>b) directly on the barrier housing |
| Signal outputs | 3 solid-state relays, galvanically isolated |
| Signal inputs | 1 digital input testing |
| Switching voltage | max. 30 V DC / 20 V AC |
| Switching current | max. 100 mA |
| Operating status display | 5 LEDs: yellow / red / yellow / blue / green |
| Communication interface | Bluetooth BLE 5.0 |
| Detection range | max. 8.0 m x 8.0 m<br>max. 6.0 m at EN 12453 protection level D |
| Detection angle | horizontal (azimuth) ± 60°<br>vertical (elevation) ± 60° |
| Reaction times | Detection without limiting filters: 200 ms |

Dimensions radar scanner




Dimensions mounting wedge 30°




## Order information

| | |
|---|---|
| 7278.000.00 | MWD SBP-B-10P<br>Radar scanner for barriers |
| 6773.000.00 | MWD KMK030<br>Mounting wedge 30° |
| 7158.000.00 | MWD KMHH120<br>Mounting bracket 120° |

The FEIG Scanner Assistant App is available in:

Download on the App Store

GET IT ON Google Play

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