



MWD SBP

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 single 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



BLUETOOTH® CONNECTIVITY



EASY TO
CONNECT



EASY TO
USE



3-5 MIN
SETUP



KEY FEATURES

- Offers additional CAN and RS485 interface
- Pin connector for optional clear text display
- 2-channel induction loop detector
- 4-channel year time switch
- 6 inputs
- 4 potential relay outputs with NO contacts for traffic lights etc.
- 2 potential free relay outputs with change-over contacts for messages etc.
- 1 x 24V test output for light grids or catchment protection
- Robust compact housing with protected connection for preventing unauthorized tampering

HOW IT WORKS



MWD SBP radar
emits millimeter
waves



Detects static and
dynamic objects



Intelligent algorithm
classifies and tracks
objects



Differentiates between
vehicles and
pedestrians



Outputs trigger
barrier control and
safety functions

TECHNICAL SPECIFICATIONS

Housing	Polycarbonate, Die-cast aluminum
Dimensions (w x h x d)	63.6 x 93.6 x 21.7 mm
Weight	300 g
Port	8-pin connection cable 0.25 mm²
Protection class	IP65
Power supply	9 - 30 V DC
Power consumption	max. 1.8 W
Temperature range	-30° C to +55° C
Frequency range	60 - 64 GHz
Technology	mmWaves Radar
Mounting height	4 x M5 Fixing screws 0.5 - 0.9 m, recommended 0.6 m a) with mounting wedge 30° (accessory) b) directly on the barrier housing
Signal outputs	3 solid state relays (galvanically isolated, common)
Signal inputs	1 digital input, high activ
Switching voltage	max. 30 V AC/DC
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
Reaction times	Detection without/with classification: typ. 100 ms / 700 ms

INTERFACES & CONNECTIONS



CAN interface
(4-pin terminal, green)



RS485 interface
(4-pin terminal, yellow)



Pin connector for
optional clear text display



Supported by external
24 V DC supply

ORDER INFORMATION

6324.000.00	MWD SBP-A Radar scanner for barriers
6773.000.00	MWD KMK030 Mounting wedge 30° (accessory)

DIMENSIONS

RADAR SCANNER



MOUNTING WEDGE 30° (ACCESSORY)

