

User Manual of R-HFA GEN1

1. Concept

R-HFA GEN1 is a kick-sensor installed behind the bumper of a car, used for hands-free access to the trunk.

With automatic tailgate operation, trunk can be opened or closed with no-touch activation. Radar sensor detects a forward-directed foot motion in the central rear area and the trunk lid can be opened or closed automatically.

1.1. Installation and maintenance

The product is factory fitted in vehicles. It is not possible to buy this product separately. The status of the product can be read via diagnostic connections using special workshop tools. In addition, the Central Electronic Module in the vehicle monitors the communication (LIN bus) from the product and in case of missing or invalid communication, it is alerted, and will display a warning to the driver. Maintenance and replacement of the product can only be performed by certified workshops.

1.2. Performing the foot movement

1. Stand in the middle behind the vehicle at approx. one arm's length away from the rear of the vehicle.
2. Wave a foot under the vehicle in the direction of travel and immediately pull it back.

Figure 1 shows location of the kick-sensor and foot performance.

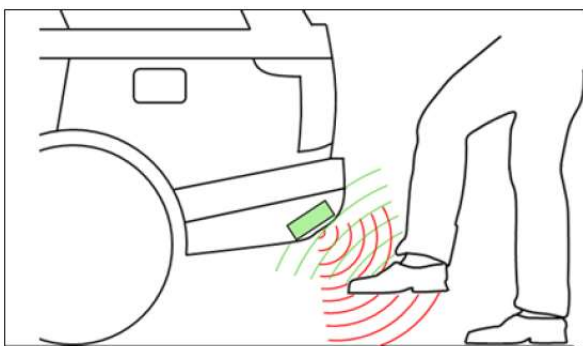


Figure 1 Performing the foot movement

Separation distance from the device is 20 cm.

2. Device characteristics

Voltage	
Min	9,0V
Mean	12,0V
Max	16,0V
Temperature	
Min	-40°C
Max	+ 105°C
Communication Bus	LIN (2.x)
Radar	
Min Frequency	77,0078 GHz
Max Frequency	78,995 GHz

3. Device photographs

Top side of the device is given on Image 1.



Image 1 Top side of R-HFA GEN1 with cover

Bottom side of the device is given on Images 2-5.

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Image 2 Side A

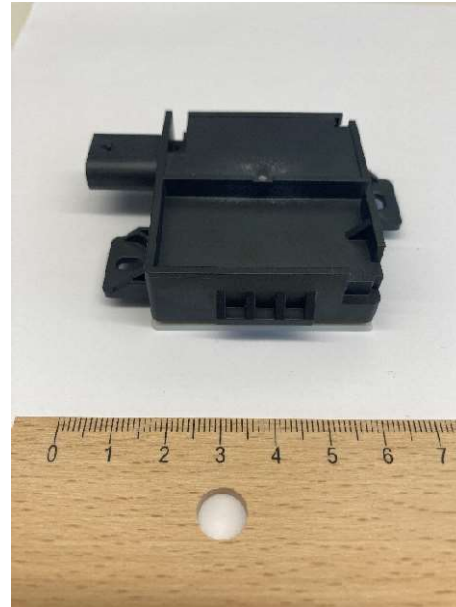


Image 3 Side B



Image 4 Side C



Image 5 Side D

Regards,

Brose Fahrzeugteile
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