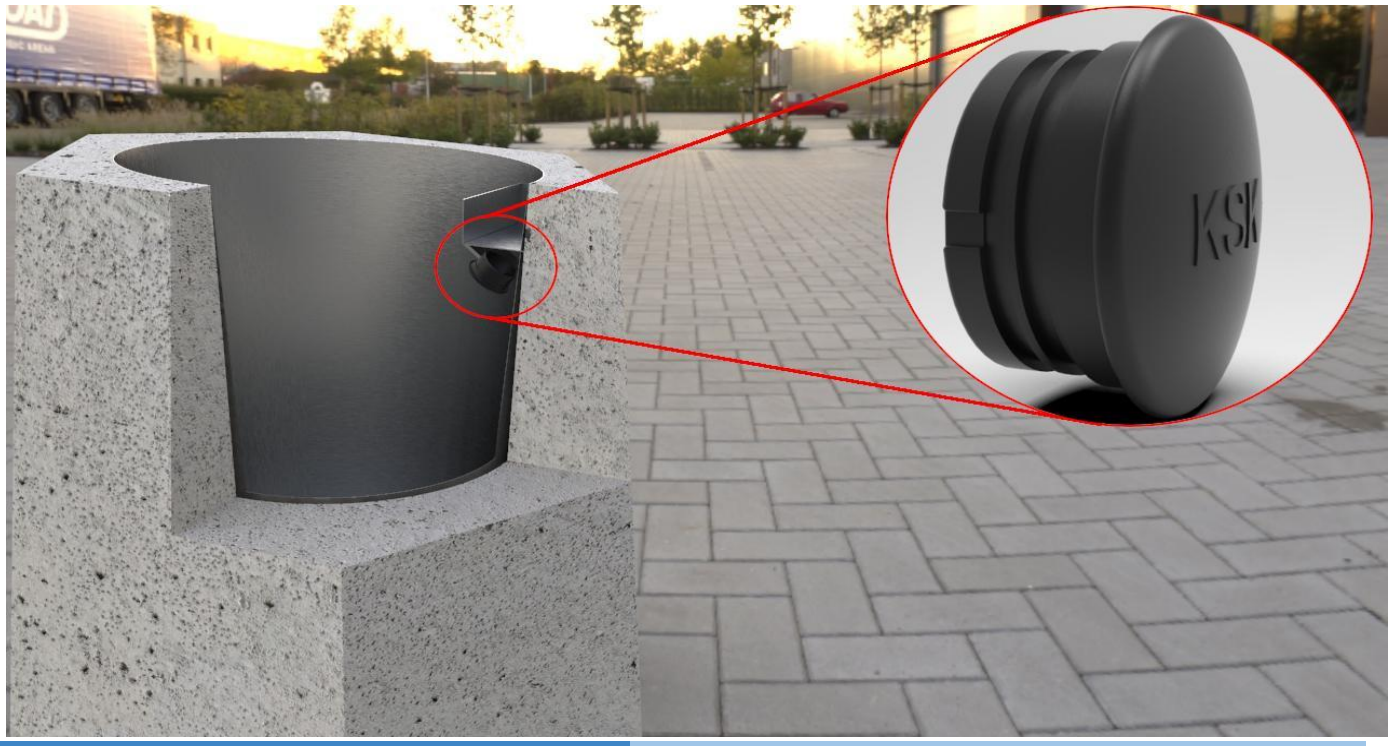
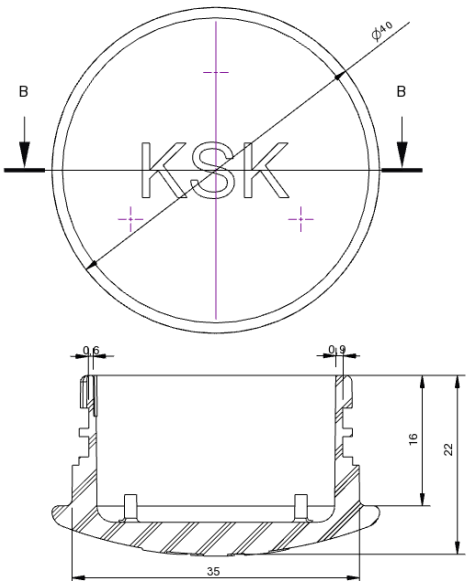
KSK developments Garbage collection sensor



Product description:

The garbage collection sensor for litter bins is an innovative device that allows you to easily and conveniently monitor the filling of litter bins. The sensor based on radar detection is resistant to changing environmental conditions, dirt, etc., therefore it guarantees a very high detection efficiency ensuring the service life of the device at least 2 years. The management system can monitor its fill level conducting in real time an effective and informative policy of use.



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Technical specification:	
Supply voltage:	3,0 VDC
Current consumption:	120mA (pulse), 1.6uA avg
Detection:	radar based
Temperature effect:	battery life decreased in temperatures <-20C
Enclosure:	Policarbonate
Operation conditions:	-25° do +80° C;
Wymiary:	Height: 22 mm Diameter: 35 mm
Flamability UL 94:	V0
Connection:	Wireless connection LoRaWAN 868MHz or SigFox
Ingress protection:	IEC IP68
Mechanical resistance and vibration:	IEC 61984 and UL773 Mechanical: 3g, 11 ms semi sinusoid, 18 aftershocks Vibration: 0.5 mm p-p, 10 to 60 Hz
Communication protocol:	LoRaWAN

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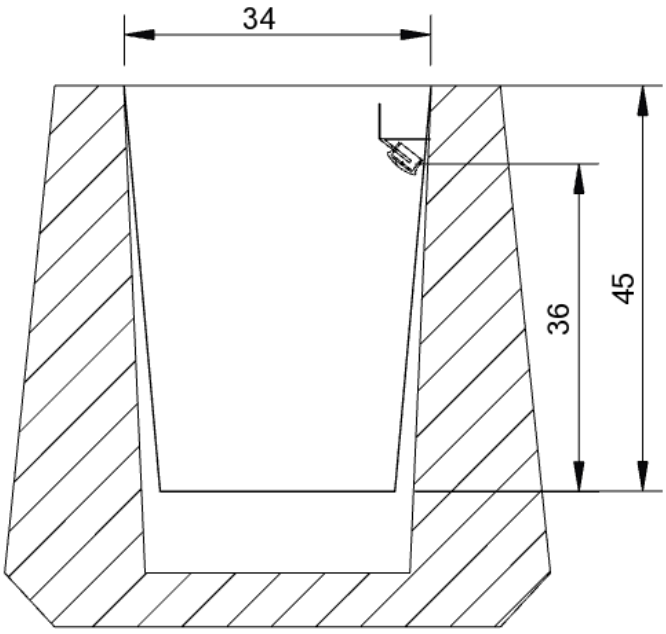
Product placement:

The device is mounted in the inner layer of the trash bin at an angle of about 45 degrees, which allows to determine the degree of filling the container. The sensor is attached to the existing shelf (ashtray) with the use of blind rivets after prior preparation of the mounting holes.



Markings:

Product is CE marked

Warnings:

Improper use:
KSK Developments allows the device to be used only as intended, i.e., to monitor garbage level in an enclosed container.
KSK Developments shall not be liable for any damages related to the use of the system contrary to its intended use.
Incorrect connection:
The device is designed to work with a rated voltage of 3.0 V. Connection of a different voltage may cause irreparable damage to the equipment.
KSK Developments is not responsible for damages related to incorrect connection of the device.

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About:

This document concerns the system developed by KSK Developments sp.z o.o.

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