

KSK developments Central Processing Unit (CPU)

Characteristic:

Central Processing Unit (CPU)

This is the heart of the detection system, which purpose is to gather data coming from all parts of the system. This unit allows to setup the system using provided PC software. Allows to attach up to thirty two different devices that connect either by wire or wireless link. WatchDog Timer (WDT) provides a signal informing that all units are functioning correctly. Ethernet module allows for data extraction using MODBUS TCP



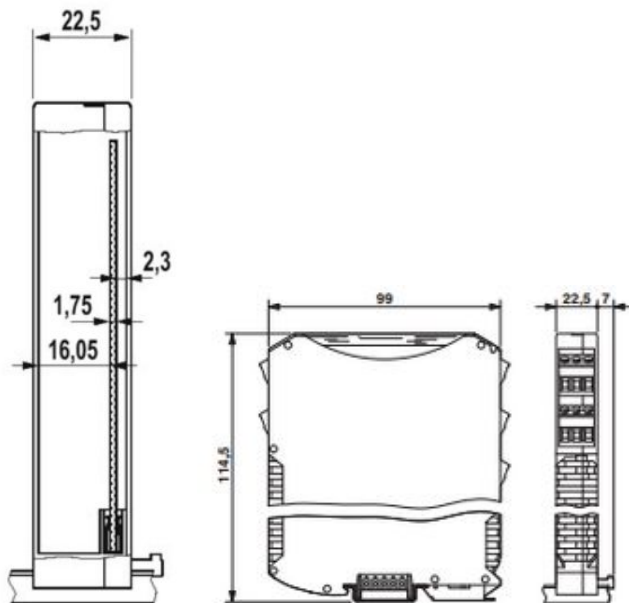
Technical specifications:

Power supply voltage:	12-24 VDC
Power consumption:	200 mA
Protection of the power circuit:	2 A
Connectors:	USB typ B, Ethernet (RJ45), DC+, GND, CAN H, CAN L
Delay at the power on:	5 s
Temperature effect:	-
Configuration:	Ability to configure the card from the software level
Indicators:	6 LEDs indicating the operation of the device
Construction:	Enclosure with DIN rail mounting. A label on the front of the device information.
Working conditions:	-40° to +70° C;
Dimensions:	Length: 99 mm Height: 114.5 mm Width: 22.5 mm
Flammability class by UL 94:	V0

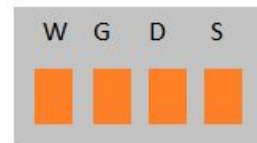
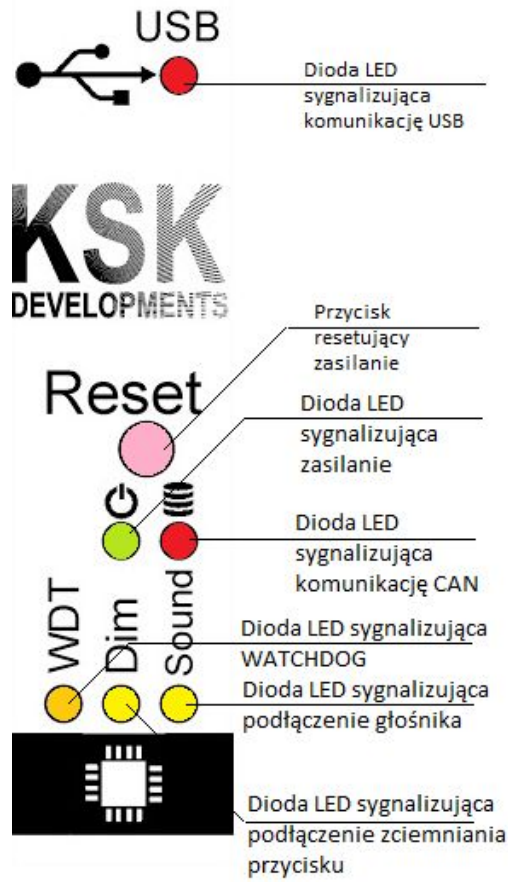
KSK developments Central Processing Unit (CPU)

Connection:	Cable connectivity - power supply - 2-core cable CAN line feed - 2 core cable
Ingress protection:	IEC IP44
Shock resistance and vibration:	IEC 68-2-6 and IEC 68-2-7 Mechanical: 3 g, 11 ms semi-synthetic, 18 shocks Vibration: 0.5 mm p-p, 10 to 60 Hz
Communication protocol:	CAN (For wired system) 2.4 Ghz (for wireless system)

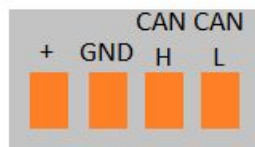
Specification dimension:



Indication:



Connection description :



+ - power supply
 GND - ground power
 H - CAN H
 L - CAN L

W - watchdog
 G - ground expansion cards
 D - not used
 S - not used

Warnings:

Incorrect use:

KSK Developments allows the device only according to its properties, i.e., to monitor the sensor parameters.

KSK Developments shall not be liable for any damages resulting from the misuse of the system.

Incorrect connection:

24 V. Connecting the drive may cause irreparable damage to the equipment.

KSK Developments assumes no liability for damage caused by improper connection of equipment.

About:

This document is reference material for the vehicle magnetic detection system from KSK Developments Sp. Z.O.O.

KSK Developments reserves the right to revise this publication and to make changes from time to time in the content hereof without obligation of KSK Developments to notify any person or organization of such revisions or changes.

KSK Developments and the KSK Developments logo are trademarks of KSK Developments Sp. Z.O.O. All other products, names and services are trademarks or registered trademarks of their respective owners.

© 2016 – All rights reserved.