KVE-S0 TRAIN SENSOR PROLAN

and connecting information system

Application field

Prolan KVE-S0 train sensor was developed to **control traffic of railway stations** which do not have infrastructure to sense train traffic automatically.
When it is important to know the traffic situation on such stations because of the efficient operative control,
Prolan KVE-S0 is a

- fast
- cost-effective

solution to remove „dark spots" from the traffic control maps.

System connectivity

- Easy integration with Central Traffic Control systems
- Standard FORIF104 interface to FOR (Hungarian Countrywide Traffic Monitoring System)

Main features

- reliable train sensing
- simple, relatively cheap solution
- easy installation, minimal cabling necessary
- does not require local calibration, right off operability

Traffic control

DCC-S0
DCC-S0

KVE-S0
KVE-S0

KVE-S0
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KVE-S0
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KVE-S0
KVE-S0

I. train reporting area

II. train reporting area

KVE-S0 train sensor unit

- Size, weight: 220x60x30 mm, 0.5 kg

- Power supply: built-in battery,
  min. 5 yrs lifetime

- Sensitivity: min. 5 t vehicle weight
  at a speed of 5 km/h

- Fault rate: false train report: < 0,1%,
  missing train report: < 0,1%

- IP protection: IP68

- Electromagnetic sensitivity:
  tolerant to usual trackside disturbance

- Fastening: depending on rail line type
  (48, 54, 60 kg/m) „clip on" schackle
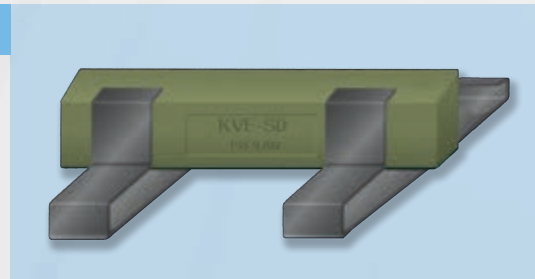
DCC-S0 data concentrator

- Size: 270x132x140 mm, installed on poles
  located in suitable points of the stations
  (suggested height: h=3,5 m)

- Power supply: built-in solar battery charger
  or 230VAC as available

- Data connection with train sensors:
  according to ZigBee Alliance radio protocol

- Number of possible connecting train
  sensors: practically no limit

- Uplink connection: GSM APN network

- IP protection: IP64
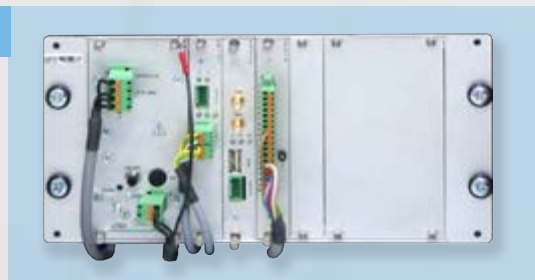
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