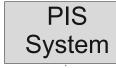
ZHS1 USMW RS485

System for registration of train-movements (Entry/Stop/Starting/Exit/Passing through)









RS485





- admission by Deutsche Bahn AG
- connecting to different PIS-systems
- easy set-up
- mounting on walls and ceilings
- maintenance-free



Description of the SES-Commands

Device Get Params **DeviceSetParams** DeviceNetStatus DeviceGetStatus DeviceSetStatus DeviceKeepAlive

Parameter read Parameter set Networkstatus read Status read Status set Keep Alive Command

TrackActiv TrackInactiv TrackStatus Activate Inaktivate Status send

Installation

After mounting the sensor, the sensor has to be adjusted (shown in the installation instruction).

There are two different test modes, the impulse-mode and the send-mode

Impulse-mode:

Pushing down the service-probe until both LEDs are flashing for 3 seconds. Now the different states can be shown:

- Movement (the red LED is blinking)

-Train in the range of the sensor (the green LED is on)

Send-mode:

Pushing down the service-probe again until both LEDs are flashing for 3 seconds, the send-mode is reached. The different trainstates can be send to the PIS-system.

Leaving the Test-mode:

Pushing down the service-probe again until both LEDs are flashing for 3 seconds, the test-mode is left.

After 4 minutes the service-probe is no more used, the test-mode is leaving automatically.

Technical facts

Temperature range:

Voltage:

12-24 VDC +/-15%

Current consumption: 250 mA Sensor-systems:

Ultrasonics / Microwave

Safety class: IP 65 Max. range:

4 m (option 6m) -25°C ... +70°C

Weight:

1,9 Kg Casing material: V2A-Steel

Terminal assignment 12-24 VDC +/-15% brown:

white: 0V LON A green: yellow: LON B pink: RS485 A grey: RS485 B

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