



HVD

HANNING & KAHL
Vehicle Detection System



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Safe Transportation All Along the Line

Operation of signalling installations and point controllers requires reliable vehicle detection. In the case of signalling installations: for requesting and cancelling secured routes, in the case of point controllers: it must be ensured that a point does not re-set when a rail vehicle is crossing.

From reliable vehicle detection to communication of occupation status (occupied/free) as a safe potential-free contact, the HVD vehicle detection system is based on the vital processor system HN-P and HVIP.

The blocking circuit and/or the track circuit also in combination with the mass detector detect the rail vehicle passively in the track area to be safeguarded.



An overview of the special features:

- Suitable for railway environment, -40°C ... +70°C,
- EMC, insulation, climate, shock, vibration, impact in line with railway standards DIN EN 50121-4:2017-11
- Memory card for electronic data recorder (one-channel)
- Integrated voltage monitoring
- Integrated tele-control interfaces (remote monitoring, clock synchronisation, remote operation)
- Uniform extended diagnosis with
 - Unit-specific configuration and diagnostic images
 - Integrated surface with HVIP diagnosis, Event Viewer



Technical Data	HN-P	HVIP
Number blocking circuits	max. 8 pcs	
Number track circuits	max. 4 pcs	planning stage
Number mass detectors	max. 8 pcs	planning stage
Operating voltage	AC 100 ... 240 V	
Tolerance	-15 % / +10 %	
Frequency	50 - 60 Hz +/- 6 %	
Control voltage	DC 24 V	
Maximum power consumption	ca. 300 VA	
Operating temperature range	-25°C ... +70°C	-40°C... +70°C
Humidity	10 % ... 95 % relative humidity	10 % ... 95 % relative humidity, short-term condensation acceptable
Protection class	depends on the control cabinet used	