

# DSD Vigilance Unit & Slow Speed Unit

- The DSD vigilance system uses FPGA technology and gives a high reliability with no complex calibration during installation. The unit provides extremely high immunity to electrical disturbances, including high energy transients
- Four indicators are mounted on the front panel –



- This allows Level 1 testing to be carried out and with the aid of the Fault Log LED provides extra information during Level 2 testing
- This unit is designed by Electromech and supplied by NRS. Other vigilance related equipment provided includes -
  - DSD Buzzer
  - DSD Foot Pedal
  - Vigilance Isolation Switch
  - DSD Hold-over Button
  - Brake Pressure Transducer
  - All relevant harnesses

- The Unipart Rail slow speed unit determines the speed of the train by reading from the tachometer. The slow speed limit has two main functions - enabling the doors to be opened when the train is travelling below a safe speed and 'holding off' the emergency brakes when the unit is below a safe speed and in neutral. This prevents vehicles coasting in neutral.
- The slow speed unit can be configured to customers' specifications and requirements and can be used in any speed sensing applications. The speed input from the tacho is filtered to ensure that no surges or transients can falsely trigger the unit.

## Contact for technical advice

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## Technical specification

- Operating voltages of 16.8-135v
- Meets the requirements of 12% G enhanced braking
- 10 galvanically isolated digital inputs, including four input with isolated Ov
- AWS acknowledged input

## Technical specification

- Operating voltages of 16.8-135v
- IP54-IP67
- Fully type tested to Railway Standards
- Protected for EMC interference

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Available from:

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