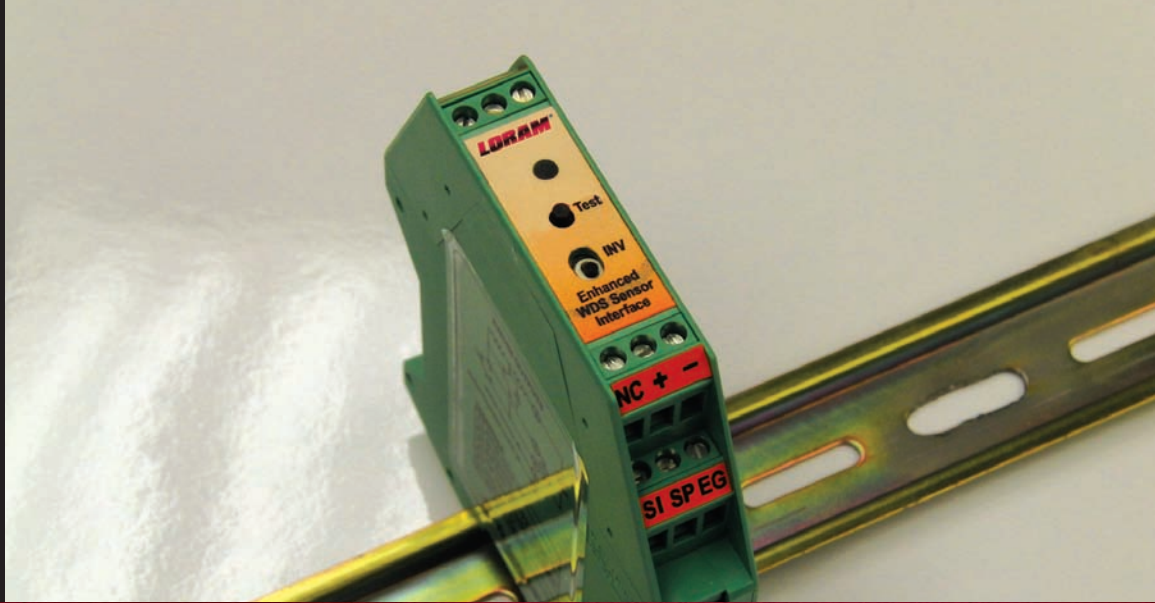


LORAM[®]

ENHANCED WHEEL DETECTOR
INTERFACE MODULE™

Enhanced Wheel Detection System

Speed, Performance, Reliability



Loram's **Enhanced Wheel Detector Interface Module (EWDIM)™** is an enhanced wheel detector amplifier that is optimally suited to Loram's Wheel Detection Systems (WDS) line of wheel detectors.

How it Works.

EWDIM™ is mounted to the location of your choice using DIN rails on the sides and below the selected rail. The **EWDIM™** has an optically isolated output, and features test and output inversion switches. Unlike competitors' wheel detectors, Loram's **EWDIM™** is polarity sensitive. Radio Frequency Immunity (RFI) sensitivity, and any metal background influence are adjustable through the potentiometer.

Benefits.

- Protected from lightning when properly grounded
- Four levels of electrical noise suppression
- NPN or PNP output is optically isolated
- DIN rail mountable

Installation, Maintenance, and Performance

EWDIM™ is simple to install and maintain. It can be installed in a few hours. A bank of modules can be powered with one wired unit using power plugs (available separately) that eliminate the need for individual power wiring.

When connected this way, units can also be individually replaced without disabling the entire line.

Reliable Service and Support.

With more than 30 years of helping railroads extend rail life through rail grinding, Loram has now added the most advanced friction modification systems in the industry to our product offerings. Extend the life of your rail assets, select Loram's Maintenance of Way Products.

For more information visit www.loram.com or call your local Loram Regional Manager.

Specifications

ENHANCED WHEEL DETECTOR INTERFACE MODULE

Input Voltage:
24 VDC Nominal
Current:
25 mA DC maximum using WDS2 sensor
Output:
NPN / PNP 5-60 VDC, 50 mA DC maximum
Filters:
No filters, 3.2 ms, 6.4 ms, and 12 ms
Isolation Voltage:
4 kVDC

Subject to change

Features test and output inversion switches
Protected from lightning with proper grounding
Test switch toggles output facilitating local simulation of sensor triggers
Remote error indication for modules
DIN rail bus for power and remote error indication
Four levels of electrical noise suppression
May be powered with one wired unit using power plugs

Subject to change



Multiple units may be powered using power plugs (available separately).

LORAM

Speed, Performance, and Reliability

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