



Railway Collision Avoidance & Speed Monitoring Systems

Key Highlight

- Electronic safety systems supporting railway collision risk reduction
- Microprocessor-based speed recording for traction vehicles
- Auxiliary power management to reduce fuel and oil consumption
- Customizable solutions for freight, passenger, metro, and inspection trains

Production Information

Keetronics supports advanced railway electronic control and monitoring solutions designed to enhance operational safety, efficiency, and performance across freight and passenger rail networks.

Raksha Kavach™ is a state-of-the-art electronic control system developed to reduce train collision risks by providing an additional safety layer against human error and equipment limitations. The intellectual property rights for Raksha Kavach™ are held by Konkan Railway Corporation Limited (KRCL). The system is manufactured, installed, commissioned, and maintained under exclusive license arrangements by authorized partners.

In addition to collision mitigation support systems, microprocessor-based Speed Recording Systems such as TELPRO are deployed for Diesel Electric Locomotives and Diesel Multiple Units (DMUs). These systems capture and monitor critical operational parameters, improving performance tracking, regulatory compliance, and operational safety. The solution can be customized for various traction vehicles including metro trains, light rail vehicles (LRVs), railcars, and inspection vehicles.

Auxiliary Power Units (APUs) designed for diesel electric locomotives further improve operational efficiency by reducing unnecessary engine idling. This leads to lower fuel consumption, reduced lubricating oil usage, and decreased emissions, contributing to cost savings and environmental sustainability. Together, these integrated railway electronic systems support safer train operations, improved monitoring capabilities, and optimized locomotive performance across diverse railway environments.

Features

- Industrial Grade
- Custom Layout
- High Quality
- Made In India

Technical Specifications

Model Number	Raksha Kavach
Category	Railway Applications