

Trailer Tire Pressure Relay Market Trends And Forecast Analysis Reveal Strong Long-Term Potential

The Business Research Company's Trailer Tire Pressure Relay Market Report 2026 – Market Size, Trends, And Global Forecast 2026-2035

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/EINPresswire.com/ -- "The [trailer tire pressure relay market](#) has been

witnessing substantial growth in recent years, driven by technological advancements and increasing safety demands in the transportation sector. As commercial vehicle fleets expand and embrace smarter monitoring systems, this market is set to experience significant developments. Here's a detailed overview of its current size, growth drivers, key trends, major players, and regional insights.

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[Trailer Tire Pressure Relay Market Size](#) and Growth Outlook

The trailer tire pressure relay market has seen remarkable expansion, with its size expected to rise from \$1.29 billion in 2025 to \$1.4 billion in 2026, representing a compound annual growth rate (CAGR) of 8.6%. This upward trend during the past years has been fueled by growing demand for trailer safety solutions, wider use of basic tire pressure monitoring systems (TPMS) in commercial vehicles, increased volume in long-haul freight transport, a heightened need for preventing tire failures, and stricter vehicle safety regulations.

Download a free sample of the trailer tire pressure relay market report:

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Looking ahead, the market is projected to continue its robust growth, reaching \$1.96 billion by 2030 with an accelerated CAGR of 8.8%. The forecast period's expansion is expected to be driven by the integration of AI-based predictive tire health technologies, the growth of connected fleet management platforms, advancements in autonomous and semi-autonomous trucking, the rising implementation of smart sensor relay networks, and the electrification of commercial trailer fleets. Emerging trends include wireless trailer connectivity for real-time tire monitoring,

advanced pressure relay systems utilizing sensor fusion, predictive analytics for tire failure, development of long-range, low-power relay communication modules, and growing adoption of intelligent fleet safety monitoring tools.

Understanding the Role of Trailer Tire Pressure Relays

A trailer tire pressure relay is a component within a trailer tire pressure monitoring system that collects tire pressure readings from sensors on trailer wheels and transmits this data to the towing vehicle. By acting as a signal amplifier, it ensures communication remains reliable over longer distances, significantly enhancing safety during transit.

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Commercial Vehicle Demand as a Key Growth Driver

The increasing demand for commercial vehicles is a central factor propelling the trailer tire pressure relay market's expansion. Commercial vehicles—including trucks, buses, and vans—are crucial for transporting passengers and goods, and their demand is rising with the rapid growth of e-commerce. This surge drives the need for efficient logistics and delivery vehicles capable of managing growing shipment volumes. Trailer tire pressure relays support this demand by enabling real-time monitoring of trailer tire conditions, which improves safety, reduces vehicle downtime, and enhances overall fleet efficiency. For instance, in January 2024, the European Automobile Manufacturers Association (ACEA) reported a 16.3% increase in new truck registrations in the EU for 2023, reaching 346,986 units compared to 298,407 in 2022. Similarly, bus registrations rose by 19.4% to 32,593 units over the same period. This growth in commercial vehicle production is a major factor behind the rising demand for trailer tire pressure relays.

Connected Vehicle Adoption Boosting Market Expansion

The growing prevalence of connected vehicles is another important factor driving the trailer tire pressure relay market forward. Connected vehicles are internet-enabled and capable of communicating in real time with other vehicles, infrastructure, and digital platforms to improve safety, operational efficiency, and overall driving experience. Their increasing use is encouraged by stricter road safety regulations that promote real-time monitoring, driver behavior analysis, and instant accident-prevention alerts. Trailer tire pressure relays contribute by continuously sending real-time tire pressure and temperature data to telematics and fleet management systems, facilitating remote monitoring, predictive maintenance, fuel efficiency improvements, and enhanced road safety within connected vehicle ecosystems. According to the European Institute of Innovation & Technology (EIT) in November 2025, global connected vehicle numbers are forecast to surpass 300 million by 2027. This trend underlines how connected vehicle adoption is a strong growth engine for the trailer tire pressure relay market.

Regional Market Leadership and Growth Prospects

In terms of regional market share, North America was the largest market for trailer tire pressure

relays in 2025. However, the Asia-Pacific region is anticipated to witness the fastest growth during the forecast period. The market report covers major regions including Asia-Pacific, South East Asia, Western Europe, Eastern Europe, North America, South America, and the Middle East and Africa, providing a comprehensive view of global trends and regional opportunities.

New strategic additions in our 2026 market reports include market attractiveness scoring and analysis, total addressable market (TAM) analysis, company scoring matrix graphics and tables, Excel-based forecasting dashboards, market hotspots infographics, key technologies and future trend analysis, along with updated graphics and tables.

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