

Indication of  
humanity  
technology with  
system design  
and application  
environment

After market

# 1209T08-R

Tire Pressure Monitoring System

After Market



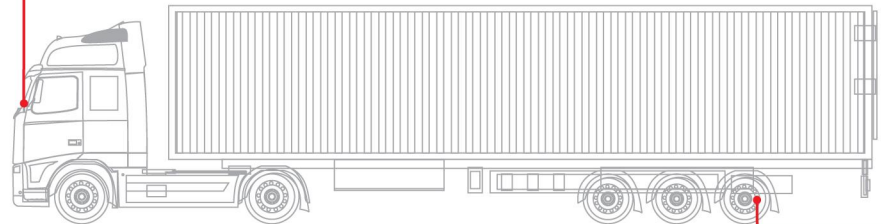
Monitor Installation



System Group Parts



Transmitter Installation










## General Description

TPMS1209T08-R is designed for trucks, including container carrier truck, dump truck etc. The system consists of large LCD screen monitor, external antenna and cable, screw-on transmitters, which is ideal for truck fleets. The system can support maximum 38 wheels.

## Product Functions

### Alarm Functions

-  **High Temperature Alarm** issued when tire temperature exceeds 90°C
-  **Low Pressure Level 1 Alarm** issued when tire pressure is 12.5% lower than the standard pressure
-  **Low Pressure Level 2 Alarm** issued when tire pressure is 25% lower than the standard pressure
-  **Low Pressure Level 3 Alarm** issued when tire pressure is 50% lower than the standard pressure
-  **High Pressure Alarm** issued when tire pressure is 25% higher than the standard pressure
-  **Fast Leak Alarm** issued when pressure inside the tire drops more than 3psi within 12s
-  **Transmitter Trouble Alarm** issued when transmitter fails to work or there is RF interference

### Operation Functions

**Transmitter ID Programming:** transmitter ID can be programmed for easy replacement

**Alarm Record Inquiry:** automatically record the latest 10 alarm records

**Standard Pressure Programming:** standard pressure for each tire can be programmed on monitor

**Pressure and Temperature Unit Selection:** pressure and temperature unit can be selected

## Product Features

- ◆ Powerful functions including low pressure alarms in 3 levels, fast leak alarm and standard pressure setting etc.
- ◆ Monitor connects to continuous power to ensure full-time monitoring
- ◆ Design of the whole system matches the truck perfectly
- ◆ Monitoring up to 38 wheels
- ◆ Equipped with external antenna and cable to ensure long-distance communication
- ◆ Simple operation for function programming and inquiry

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## Parts

### Monitor

- ◆ Monitor with industry design, match the interior decoration perfectly
  - ◆ Alarm issued in audio and visual etc, can be noticed even in noisy environments
  - ◆ Adjustable LCD display view angle
  - ◆ Large LCD to display pressure or alarm information
  - ◆ White LCD backlight for easy screen view
  - ◆ Reasonable button layout for easy programming and inquiry of functions
  - ◆ Connect to continuous to ensure full-time monitoring
- Mid-frequency: 434.1MHz  
Receiving Sensitivity: -105dBm  
Input Voltage: DC 12V /24V  
Operating Temperature: -30℃~+75℃  
Dimension: 104x65x25mm



### Transmitter

- ◆ Screw-on transmitters, beautiful appearance and easy to install
  - ◆ High-strength material, wear-resistant and resistant to high pressure and high temperature
  - ◆ Water-proof and resistant to oil and dust etc
  - ◆ High precision monitoring of tire pressure and quick response
  - ◆ Security lock for safe use
  - ◆ Large pressure monitoring range with high precision
- Mid-frequency: 434.1MHz  
Transmitting Power: 0dBm  
Pressure Monitoring Range: 0~13bar/0~188psi  
Pressure Monitoring Precision:  $\pm 0.15\text{bar}/\pm 2\text{psi}$   
Operating Temperature: -40℃~+125℃  
Battery Life: 4~5 years  
Dimension:  $\varnothing 27.5 \times 32.5\text{mm}$



### Standard Booster

- ◆ Standard booster for long-distance communication
  - ◆ Connected with continuous vehicle power, ensure full-time monitoring
  - ◆ High-performance material, anti-vibration, water-proof and resistant to dust etc
- Mid-frequency: 434.1MHz  
Receiving Sensitivity: -105dBm  
Transmitting Power: 0dBm  
Input Voltage: DC 12V /24V  
Operating Temperature: -40℃~+85℃  
Dimension: 203x123x51mm



### External Antenna and Cable

- ◆ External Antenna and Cable to ensure stable signal transmission and receiving
  - ◆ Easy to install and use
- Cable Length: 10m

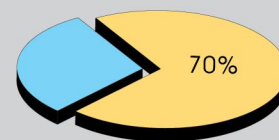


### Benefits of TPMS to Customers

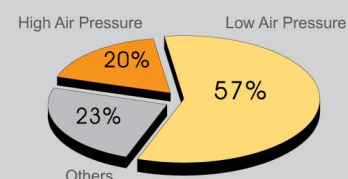
- ◆ Prevent tire bursting, reduce hidden danger on tire safety
- ◆ Reduce tire wear, extend tire life
- ◆ Reduce fuel consumption and lower vehicle operation costs for the enterprise
- ◆ Reduce pollution of exhaust gas to the environment, promote environmental protection
- ◆ Reduce the non-normal wear and tear of vehicle shock absorber, suspension parts and other related parts
- ◆ Keep tires under normal pressure, improve ride comfort of vehicles
- ◆ Maintain normal braking effect, reduce occurrence of accidents

### Benefits for Distributors

- ◆ Enlarge the product ranges, enrich types of products of profitability
- ◆ Highlight the business sense of distributing automobile accessories, upgrade the level and image of store
- ◆ Enhance corporate brand image on safety and driving comfort



▲ Traffic accidents caused by tire bursting



▲ Tire bursting factors