A TPMS system designed for OEM customers with safety and fashion, meet customer satisfaction

Car OEM

1309P09

Tire Pressure Monitoring System

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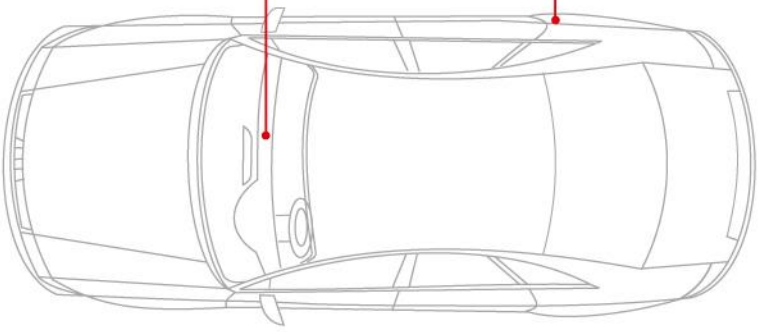

General Description

TPMS1309P09 is an OEM model designed for Toyota REIZ. The system consists of embedded display, inside transmitter and receiver. With its standard configuration, which is the top consideration of the car safety product.

Product Functions

Alarm Functions

- **High Temperature Alarm** issued when tire temperature exceeds 75℃
- **Low Pressure Level 1 Alarm** issued when tire pressure is 12.5% 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
Standard Pressure Programming: standard pressure for each tire can be programmed on monitor
Tire Rotation on Display: when rotate tires, no need to detach transmitters from the tires, re-set their positions on the monitor can complete the rotation of transmitters

Product Features

- Perfect structure and appearance design, well match the mainstream interior style of cars
- Powerful functions including low pressure alarm, high pressure alarm and fast leak alarm etc
- Display can be embedded into instrument and integrate with car body
- Connect to continuous vehicle power to ensure full-time monitoring
- Flat transmitters suitable for various wheel rims
- Easy installation, suitable for assembly line of the manufacturer

S&T TPMS

SATE AUTO ELECTRONIC CO.,LTD.
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Parts

Display

- Display embedded into car instrument
- Match car interior decoration perfectly
- Standard display icon design, display of pressure data clear and direct
- No button design, relative data are programmed as defaults, no need to operate

Operating Temperature：-30℃～+75℃
Dimension： 22.2(L) × 40(H) × 44.9(W)
Weight：20g

Transmitter

- Flattened design for application on various wheel rims
- High-performance material ensures excellent moisture proof, anti-vibration and weather proof feature
- Outstanding fuction for real-time monitoring of pressure and temperature
- Quick response with alarm to improper tire pressure condition
- With receiving and transmitting, realize two-way communication

Mid-frequency：433.92MHz
Transmitting Power：-20dBm
Pressure Monitoring Range：
0～8bar/0～116psi
Pressure Monitoring Precision：
±0.1bar/±1.5psi
Operating Temperature：-40℃～+125℃
Battery Life：10 years
Dimension：75x63x19.5mm

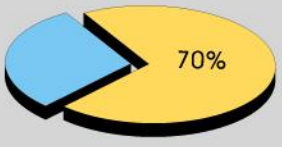
Receiver

- Small and compact body for installation at any position
- Connect to continuous vehicle power to ensure full-time monitoring
- Powerful function can promptly process data and make judgement
- Issue an alarm quickly of improper tire pressure and temperature condition inside the tire

Mid-frequency：433.92MHz
Receiving Sensitivity：-105dBm
Input Voltage：DC 12V
Operating Temperature：-40℃～+85℃
Dimension：84x77x29mm

Benefits of Car OEM Business to Manufacturers

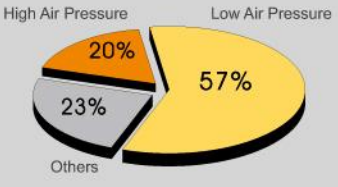
- Enhance safety performance of the car, reflect the company culture of caring of life
- Enhance existing security system on the car, improve high-tech content of the car
- Comply with Europe and US safety standards on vehicle tires, an advantage for export business of domestic car manufacturer
- Highlight car manufacturer's advantages in fierce market competition, increase product competitiveness
- Reduce fuel consumption and pollution of exhaust gas to air, reflect social responsibility from the manufacturer



▲ Traffic accidents caused by tire bursting

Benefits of Car TPMS to Customers and Society

- 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



▲ Tire bursting factors