

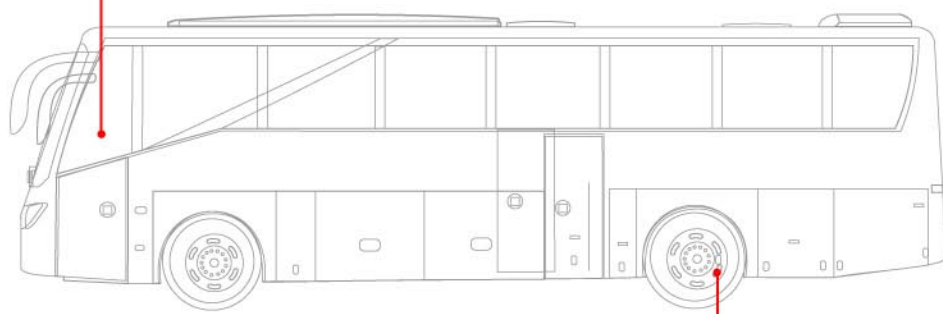
A TPMS system
designed for
bus with
humanization
design

Bus OEM

1209K01

Tire Pressure Monitoring System

Bus OEM



General Description

TPMS1209K01 is designed for bus manufacturers, consisting of embeddable display, screw-on transmitter and receiver.

Product Functions

Alarm Functions

- ⊖-1 **Low Pressure Level 1 Alarm** issued when tire pressure is 12.5% lower than the standard pressure
- ⊖-2 **Low Pressure Level 2 Alarm** issued when tire pressure is 25% lower than the standard pressure
- ⊖-3 **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

Automatic Standard Pressure and ID Learning: the display can learn standard tire pressure of each tire and transmitters ID automatically when install the transmitter, no need to program.

Transmitter ID Inquiry: User can inquiry the learned transmitter ID and standard pressure.

Product Features

- ◆ Embeddable display well matches interior decoration of the bus
- ◆ Powerful functions including low pressure alarm, high pressure alarm and fast leak alarm etc
- ◆ Easy to install, suitable for the production process of bus manufacturer
- ◆ Connect with continuous vehicle power supply to ensure full-time monitoring

1209K01

Tire Pressure Monitoring System

Bus OEM

Parts

Display

- ◆ Display can be embedded into instrument and match the interior decoration perfectly
- ◆ Easy button operation
- ◆ White backlight for clear screen view
- ◆ Easy view of pressure or alarm information on LCD screen

Input Voltage: DC 5V
Operating Temperature: -30°C~+75°C
Dimension: 52x50x39mm



Transmitter

- ◆ Transmitter with delicate design, easy to install
- ◆ High-performance material with good durance
- ◆ High pressure and temperature resistant
- ◆ 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 range with high precision

Mid-frequency: 434.1MHz
Transmitting Power: 0dBm
Pressure Monitoring Range:
0~13bar/0~188psi
Pressure Monitoring Precision:
±0.15bar/±2psi
Operating Temperature: -40°C~+125°C
Battery Life: 4~5 years
Dimension: \varnothing 27.5x32.5mm



Receiver

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

Mid-frequency: 434.1MHz
Input Voltage: DC 12V/24V
Operating Temperature: -40°C~+85°C
Dimension: 132x99x51mm

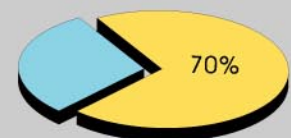


Benefits of Bus OEM Business to Manufacturers

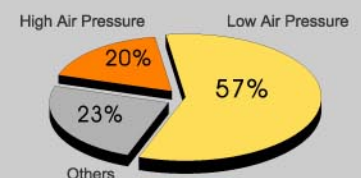
- ◆ Enhance safety performance of the bus, reflect the company culture of caring of life
- ◆ Enhance existing security system on the bus, improve high-tech content of the bus
- ◆ Comply with Europe and US safety standards on vehicle tires, an advantage for export business of domestic bus manufacturer
- ◆ Highlight bus 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

Benefits of Bus TPMS to Customers and Society

- ◆ Prevent tire bursting, reduce hidden danger on tire safety
- ◆ Reduce tire wear, extend tire life and lower vehicle operation costs on accessories
- ◆ Reduce fuel consumption and lower vehicle operation costs for the enterprise
- ◆ Reduce pollution of exhaust gas to the environment, promote environmental passenger transportation, enhance corporate image
- ◆ Maintain normal braking effect, reduce occurrence of accidents, create an environment without hidden danger for passenger transportation enterprise



▲ Traffic accidents caused by tire bursting



▲ Tire bursting factors