



Datasheet

T-2000A

(for I-type & X-type)

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For Truck 4-36 tires'



DIY
T -2000A **NO Tool**

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TPMS System

T- 2000A Series

X-type and I-type

(X: eXternal sensor design I: Internal sensor design)

The JOSN Tyredog TD-2000A TPMS is a new innovation in trucking and creates more efficient TPMS solutions in transportation industry. T-2000A now exists for no effects of switching process between trailers and performs well of tyre pressure monitoring. The transportation industry have no right TPMS solution for long and now the T-2000A impacts trucking industry dramatically by its easy –to- install, seamless switching trailers features, etc..

General Features

- Alerts when tyre pressure drops below/ raises above recommended level
- Alerts when tyre temperature raises above recommended level
- Provide graphic user interface
- Monitoring tyre pressure anytime
- Expands tyre lifespan
- Saves fuel consumption
- Improves safety
- Detects leakage before harm is done
- Easy to install (X-type)
- High accuracy
- Not affected by bumpy roads
- Allows user preset value
- TPMS monitoring is not affected by switching procedure of trailers
- Monitoring up to 36 tyres at the same time

Technical Specifications

Sensor

Operation Environment

- Operating temperature range -30 to 145
- Storage temperature range -40 to 145
- Operating humidity 100%

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- Shock >500G

Power

- Sensor is equipped with battery
 - I -type CR2450 3V
 - X-type CR1632 3V
- Battery life
 - I- type 5 to 8 Years
 - X-type 2 to 5 Years

Dimensions

- Weight
 - I- type 25g +- 1 g (includes valve stem)
 - X-type 11g +- 1 g
- Size
 - I- type
 - Length 29 mm
 - Width 29 mm
 - Height 10 mm
 - X-type
 - Diameter 18.5 mm
 - Height 20 mm

Receiver

Operation Environment

- Operating temperature range -30 to 85
- Storage temperature range -40 to 105
- Operating humidity 100%

Power

- Power Required 12V DC (Mini DC jack) or Battery DC 3V
- Battery Life 2Years (4hr/day)
- Battery type AAA 1.5V (x2)

Dimensions

- Weight 98.8 g
- Receiver Size
 - Length 101 mm
 - Width 72 mm
 - Height 29 mm
- LCD View size
 - Length 80 mm
 - Width 54 mm

Relay

Operation Environment

- Operating temperature range -30 to 105
- Storage temperature range -40 to 125
- Operating humidity 100%

Power

- Power Required DC 12-36V or Battery DC 3V (AA x 4)
- Battery Life 3 to 5 Years

Dimensions

- Weight 100g
- Size
 - Length 105 mm
 - Width 49 mm
 - Height 67 mm

System

- System frequency at 433.92 MHz/315 MHz
- Sensor pressure range 160 psi
- Sensor pressure accuracy ± 0.5 psi
- Sensor temperature accuracy ± 2
- Low power consumption
- System sensitivity -117 dBm

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- Relay transmission power < 5 dBm
- Relay transmission range 30m to 50 m
- Sensor Transmission Range 10m to 20 m

A most powerful approach to having TPMS system to support truck with up to 36 tyres and let trailer switching process cannot be simple anymore

The revolutionary T-2000A for the trucking industry that simplifies the switching process with relays and attached sensors when TPMS system is installed. It is the only TPMS system specially for trucks in the market nowadays.

Installation

- Only few steps to install sensors and relay

Management

- Powerful graphical user interface for rapid understandings of tyre status.
- Real-time monitoring is also achieved to allow users to get information immediately
- Capacity of monitoring up to 36-tyre
- When start engine to remind driver TPMS is ready

Reliability and Robust

- All sensors (X-type) are locked with special tool
- All major components are changeable in the very unlikely event of defect or damage, so down time is minimal
- Strict environmental test has approved its lifespan can last for up to 10 years (I-type)
- Provides signal accessibility by providing peripheral signal integrity technology
- Receiver has fuzzy to learn IDs from original sensors and spared sensors
- Extremely lightweight, tiny size and special mechanical design of sensor have won TD-3000A the best TPMS system in the automotive industry and the only system in the trucking industry