

WIRELESS TIRE PRESSURE MONITORING SYSTEM

TM528C (Monitor Display) Instruction Manual

TPMS 



CONTENTS

1.TPMS INTRODUCTION	01
2.FEATURES	02
3.INSTALLATION	02
4.PACKAGE CONTENTS	03
5.SETTINGS	04
6.TIRES DATA DISPLAY	05
7.ALERTS	05
7-1. High pressure alert	05
7-2. Low pressure alert	06
7-3. High temperature alert	06
7-4. Fast leakage alert	06
7-5. Sensor low battery	07
7-6. Sensor failure	07
8.OTHER FUNCTIONS	07
9.SENSOR PAIRING	08
10. SPECIFICATIONS	09
11. CAUTIONS	09

1.TPMS INTRODUCTION

1-1. ABOUT TPMS

Thanks for choosing our TPMS. TPMS is a system monitoring pressure and temperature of vehicle tires in real time, by sensors detecting the tire conditions, transmit data and show on monitor display. According to alerting thresholds set up by user, when sensors detect abnormal tire situation, system alerts driver by audio alarm and displaying data in monitor, thus to assist driver to aware and avoid potential accident. Applying TPMS to vehicles can also efficiently reduce fuel consumption, prolong tire life and save energy.

Be sure to read this instruction carefully before installation and it's suggested to keep this manual for future use.

1-2. SAFETY PRECAUTIONS

It is strongly suggested to read below instructions before TPMS installation:

- 1.Fix the monitor display inside driver cabin where it does not block driver's view and not affect normal driving.
- 2.Firmly fix monitor display to prevent falling off during driving.
- 3.The tires' temperature and pressure could increase dramatically while driving, when it reaches the alarm thresholds please stop vehicle to cool down and to avoid brake failure or tire blowout.
- 4.When tire pressure is continually increasing or dropping, please stop vehicle and examine tires.
- 5.When high tire pressure is observed, please beware of possible tire blowout; when it's low tire pressure beware of fuel consumption and wheel balance
- 6.The system can effectively monitor tire pressure and temperature but cannot avoid traffic accident. Using quality tires and keep normal pressure in tires are essentially important.
- 7.Be sure of safety while checking tire data in monitor during driving.
- 8.With correct installation this TPMS system issues alert when abnormal situation detected, driver does not have to check the monitor frequently but should focus in safe driving.

1-3. INSTALLATION TIPS

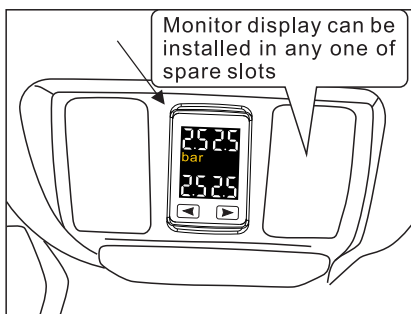
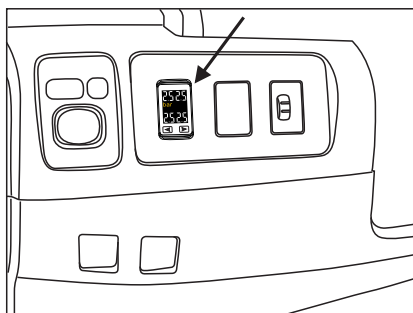
1. Monitor and sensors transmit by wireless signals, with long effective transmission distance and anti-interference protection.
2. It's a normal situation that the tire pressure and temperature changing all the time during driving, as result of air expansion and contraction.
3. Tire air leakage with time is a normal phenomenon and is not caused or affected by TPMS.
4. For any question or problem of installation, please contact with local distributors.

2.FEATURES

- Color display
- Touch key
- High/low pressure, high temperature, fast leakage alerts
- Alert by audio & display
- Default alert thresholds of pressure and temperature (adjustable)
- Selectable pressure unit (PSI, BAR)
- 4 Tires data displayed at same time
- Individual ID code of each sensor

3.INSTALLATION

This monitor display is designed for specific vehicle models, with size for fitting in the spare slot of dash board. First take off the dash board cover (refer to below images), connect the monitor Red(+, ACC) wire to car positive wire, monitor Black wire to car negative wire, Power connector to socket at back of monitor, monitor is powered on with display, fix it into slot from behind to front, re-assemble back the dash board cover.

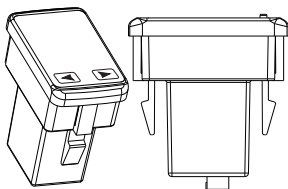
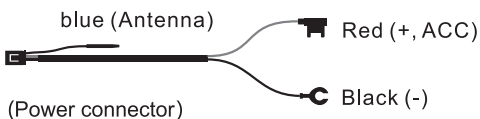


Notice:

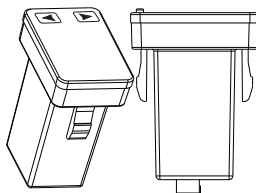
- 1.Fix the monitor display inside driver cabin where it does not block driver's view and not affect normal driving.
- 2.Firmly fix the monitor display to prevent falling off during driving.
- 3.Be sure of safety while checking tire data in monitor during driving.
- 4.With correct installation this TPMS system issues alert when abnormal situation detected, driver does not have to check the monitor frequently but should focus in safe driving.

4. PACKAGE CONTENTS

Monitor Display (Actual purchased product prevail in kind)



(TM528C for Honda)





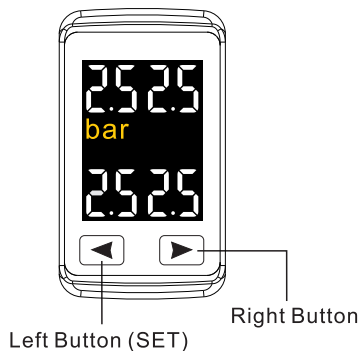
(TM528C for Toyota)

Monitor Buttons and LCD Display

(Default Pressure unit: PSI; Default Temperature unit: °C)



Icon	Description
	Alert
	Sensor Low Battery



5.SETTINGS

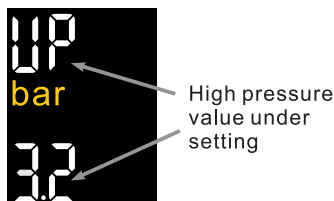
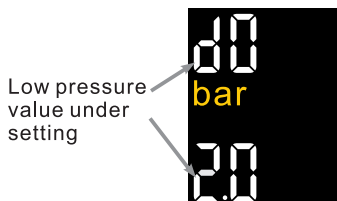
In Standby mode, pressing Left button for 3 seconds until a beep issued, pressure unit is flashing and system is under <Pressure unit> setting mode, press Left button to scroll through setting items in sequence of: Pressure unit – Front tires High pressure (UP) – Front tires Low pressure (dO) – Rear tires High pressure (UP) – Rear tires Low pressure (dO) – High temperature. Press Right button to change setting & value, pressing Left button for 3 seconds to save and return to Standby mode, or press Left + Right button at same time (or make no operation within 2 minutes) to abort and return to Standby mode.

5-1. Change pressure unit

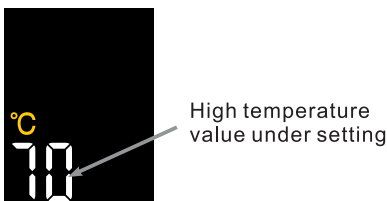
Optional pressure units: bar, psi



5-2. Set High/Low pressure alert threshold



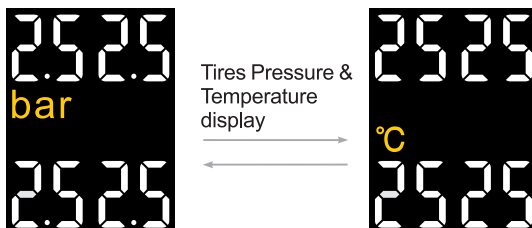
5-3. Set High temperature alert threshold



6. TIRES DATA DISPLAY



All 4 tires pressure (or temperature) value is displayed at same time in monitor screen.

Press Left button to switch to Temperature value display, after 2 seconds it automatically returns back to Pressure value display.



7. ALERTS

High pressure / Low pressure / High temperature / Fast leakage / Sensor low battery

All 4 tires pressure (or temperature) value is displayed at same time in monitor display, when abnormal situation detected (e.g. tire pressure is higher or lower than thresholds), the value of faulty tire & icons (, °C, , bar) flash in monitor display with a warning audio beep. Press Left button to stop audio beep, value of faulty tire & warning icons keep on flashing until all problems are solved.

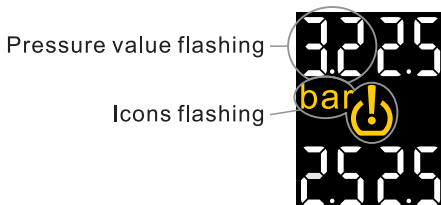
Default alert thresholds:

High pressure alert threshold	3.0 BAR
Low pressure alert threshold	2.0 BAR
High temperature alert threshold	70°C

7-1. High pressure alert

Alert display: Left front tire pressure 3.2BAR is higher than threshold, warning audio beep issued.

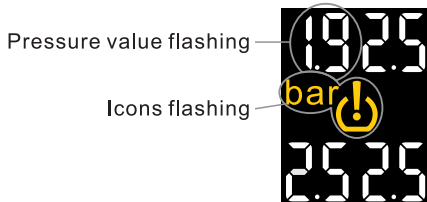
Note: Press Left button to stop warning audio beep, faulty tire pressure value & icons keep on flashing until tire pressure resumes normal range.



7-2. Low pressure alert

Alert display: Left front tire pressure 1.9BAR is lower than threshold, warning audio beep issued.

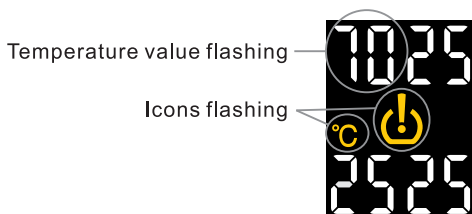
Note: Press Left button to stop warning audio beep, faulty tire pressure value & icons keep on flashing until tire pressure resumes normal range.



7-3. High temperature alert

Alert display: Left front tire temperature 70°C is at threshold, warning audio beep issued.

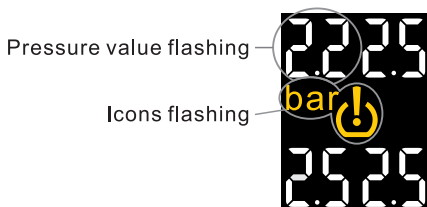
Note: Press Left button to stop warning audio beep, faulty tire temperature value & icons keep on flashing until tire temperature resumes normal range.



7-4. Fast leakage alert

Alert display: Fast leakage detected in Left front tire, that the tire pressure rapidly drop from 2.4BAR to 2.2BAR, warning audio beep issued.

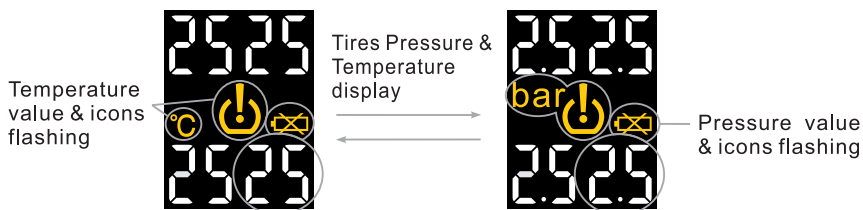
Note: Press Left button to stop warning audio beep, faulty tire pressure value & icons keep on flashing until tire pressure resumes normal range.



7-5. Sensor low battery

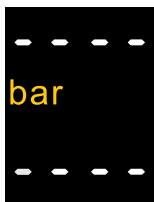
Alert display: Right rear tire sensor battery is low, warning audio beep issued.

Note: Press Left button to stop warning audio beep, faulty tire pressure (or temperature) value & icons keep on flashing until new battery replaced in sensor.



7-6. Sensor failure

Alert display: No sensor data received.



8. OTHER FUNCTIONS

8-1. Switch on/off backlight

Press Right button to turn on/off backlight. Backlight automatically turns on when alert issued.

8-2. Restore default settings





Power on monitor, during the Full screen display period pressing on Left button until a beep issued, monitor restored default settings.

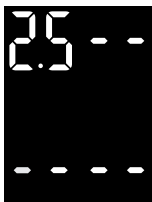


9.SENSOR PAIRING

The 4 sensors are already paired with monitor in package, fix sensors on tires then it's ready for use. Be sure to fix sensor to right tire according to the tire position marked on each sensor.

In case of wrong tire data displayed, tires position changed, fixed sensor on wrong tire...etc., make new pairing as below:

- A.Pressing monitor Right button for 3 seconds to enter pairing mode.
- B.Select the tire for pairing (press Left & Right button to scroll up/down tires).
- C.Selected tire <   > flashing.
- D.With a beep issued, selected tire <   > changed to tire pressure value.
- E.Pressing Right button for 3 seconds to save and return to Standby mode, or press Left + Right button at same time (or make no operation within 2 minutes) to abort and return to Standby mode.



Or make AUTO-Pairing as below:

- A. Park the car for 3 minutes or more.
- B. Keep monitor in Standby mode, pressing monitor Right & Left buttons at same time until a beep.
- C. Drive the car as normal until a beep issued, steer the wheel to the lock of a turn (either to right or left),drive the car in circle CONTINUOSLY (normally for 1~2 laps) until a beep issued.
- D. Pairing success, tire pressure and temperature values displayed in monitor.

Note: Monitor automatically returns to Standby mode after 30 minutes without pairing success.

10. SPECIFICATIONS

Operation temperature	-20°C ~ 80°C
Storage temperature	-30°C ~ 85°C
Input voltage	DC 8 ~ 30V
Frequency	433.92MHz
Dimension (LxWxH)	48x44x25mm (for Honda) 48x33x23mm (for Toyota)

11. CAUTIONS

- 1) Please follow this instruction manual in use of product, manufacturer is not responsible for any consequences caused by misuse out of this instruction manual.
- 2) Please install product according to this instruction manual, manufacturer is not responsible for any consequences caused by un-proper installation out of this instruction manual.
- 3) TPMS installation must be handled by technicians, be cautious of sensors in tire during maintenance and detaching/loading tire.
- 4) Images in this instruction manual are for reader's understanding of operation, actual product prevail in kind.
- 5) This instruction manual is subject to further revisions in need without prior notification.

This product is designed for monitoring tire pressure and temperature and to alert user of the abnormal situation, but cannot stop tire blow out or any driving accident. Manufacturer is responsible for its product quality and relevant after services, but not responsible for any tire blow out or driving accident.