

INDEX

Precautions	4
The Main Purpose	5
The Feature of TYREDOG TD1400A-X.....	7
INSTALLATION.....	7
MANAGEMENT	8
RELIABILITY AND ROBUST.....	8
Location of controls and outlook	9
MONITOR DESCRIPTION.....	9
MONITOR BRACKET DESCRIPTION	9
Graphic user interface description.....	10
Getting started	11
SYSTEM MAP	11
INSTALLATION.....	11
THE INSTALLATION OF TFT MONITOR.....	12
THE INSTALLATION OF TIRE PRESSURE SENSORS	15
MOUNT THE TFT MONITOR TO THE FRONT WINDSHIELD OR DASHBOARD	21
OPTIONAL – CAR LIGHTER POWER CORD	23

Operating instructions	24
MONITOR BASIC FUNCTION	24
THE SCREEN CONTENT AND BASIC OPERATION	24
MUTE	24
TIRE TEMPERATURE/ SPARE TIRE PRESSURE AND TEMPERATURE.....	25
SETTING MODE.....	26
I Warning range setting	27
I Pressure unit setting.....	28
I Temperature unit setting	28
I Learning mode.....	28
I Activate the spare tire function	30
Operating Procedure	31
INITIALIZATION	31
MAIN SCREEN UNDER NORMAL CONDITION	31
STANDBY MODE.....	32
ABNORMAL TIRE PRESSURE OR TEMPERATURE	33
TIRE PRESSURE BELOW LOWER WARNING VALUE	33
TIRE PRESSURE OVER TOPPER WARNING VALUE.....	34
TIRE TEMPERATURE OVER THE SAFETY SETTING RANGE.....	35
MONITOR RUNS OUT OF POWER	37

CAR BATTERY LOW POWER.....	37
SENSOR RUNS OUT OF BATTERY SENSOR POWER SHORTAGES	38
THE DEFINITION OF WARNINGS	38
Additional information	39
Trouble shooting.....	40
Product package content	42
Product specification	44

Precautions

1. Please do not operate this device during drive.
2. Due to rubber valve stem aging under high temperature and expose under the sun, which may cause crack on the rubber stem, therefore, we **recommended metal type of valve stem.**
3. Please choose the installation location carefully so that the TFT monitor will not interfere driver when driving.
 - i. Please make sure TFT monitor firmly fixed to the front windshield or dashboard.
 - ii. When read through tire pressure figures from TFT monitor, please also take care of driving safety.
4. Please make sure the TFT display can receive signals from all tire pressure sensors.
5. Tyredog TPMS has unique anti-theft tool to prevent sensor being stolen. You can decide whether install or not.
6. Please double confirm if sensors are fitted tightly. If necessary, please spreading detergent water on the valve stem to check any air leakage.
7. If tire pressure is getting down or dropping quickly, please stop car immediately to find out if tire is deflated or another other problem is happening.
8. The monitor will automatically make connections in whole system when car starts to run. It is normal that some tire pressure figures might not be updated immediately due to there is no change of tire pressure in those tires.
9. Tyredog TPMS has mechanism to avoid interfering /being interfered

with other signals.

10. Many environmental factors cause tire pressure rise and down as well. For example, hot weather or warm tire will lead rising tire pressure.
11. It is natural that tire pressure will decrease by days but not caused by the installation of tire pressure monitoring system. Tyredog TPMS can response with its real figure of pressure.
12. Please don't mix your sensor with other systems', as each system has its separate unique identified number of sensor, or the mixed sensor won't activate.
13. If you have any questions or problems concerning your unit that are not covered in this manual, please consult your nearest Tyredog dealer.

The Main Purpose

The Tire Pressure Monitoring System (TPMS) is an efficient and effective solution to many of current automotive safety problems. TPMS will help prevent driving on deflated tires and reduce fuel consumption.

There are benefits here :

- Improves ride performance and handling
Tire pressure leads to driving condition a lot.
- Decreases chance of tire blowout
It is very critical to keep tire pressure in a good condition when driving, especially when buses, trucks are carrying people life and dangerous materials such as poisonous substances, oil, etc.
- Reduces labour of tire pressure inspections

Multi-wheel trucks cause time consuming in human inspection in tire pressure. Goes without saying that no chance to monitor tire pressure when running. The system can have a very clear picture of tire pressure status among all tires.

- Not adds much maintenance cost

Advanced designs to give the best convenience to all drivers by wireless/ cordless design, external sensors, etc.

- Less downtime

Real time monitoring gives you highly control of your tire pressure and temperature and avoid unexpected accidents caused from abnormal tire pressure and temperature.

- Reduces fuel expense

Fuel efficiency is reduced by one percent for every 3 PSI. of under inflation. It is for sure that tire pressure is also one of important factors to save gas consumption.

- Extends tire life

Research finds that running tires 20% under – inflation can reduce tire life by up to 50%. It is crucial to keep tire pressure at a right level (right tire pressure figures for each tire normally suggested by your car manufacturer).

- Increases return on investment

Concludes advantages mentioned above, by taking care of tire pressure with simple Tire Pressure Monitor System, gains are much more than what you expect.

The Feature of TYREDOG TD1400A-X

TYREDOG TPMS (Tire Pressure Monitoring System) - Powerful tool for maximizing uptime and improving safety - The New WTPMS Standard-TYREDOG Tire Pressure/ Temperature Monitoring Solutions.

TYREDOG is a leading WTPMS solution for from the light to heavy-duty trucking industry. By continuing to develop new and better TPMS designs and manufacturing technologies, TYREDOG has helped the automotive industry improve safety issues and reduce operational costs. The major milestone of TYREDOG WTPMS is the introduction of lightweight valve stem cap sensor design. The extremely lightweight, compact sensor has been specifically designed to simplify and reduce the installation time. Now there is no need to sacrifice tire maintenance efforts to gain safety. Through wireless technology, tire pressure and temperature information is displayed on the friendly Graphic User Interface (TFT monitor).

TYREDOG WTPMS series is available in configurations to fit all types of trucks- including light truck, bus, agriculture, ambulance, trailer, etc. Among this series, the TD1400A-X is targeting at passenger cars.

Installation

- Do it yourself (D.I.Y.): it can be fully installed in a short time without any technical knowledge.
- Wireless and cordless: wireless sensors and TFT monitor ensure a quick and easy installation.
- Battery-powered: Battery powered TFT monitor and sensor and

battery low indicators on the monitor can remind driver of battery power status in four tires.

- Light and compact sensor: extremely lightweight and compact with specially designed electronic sensors.

Management

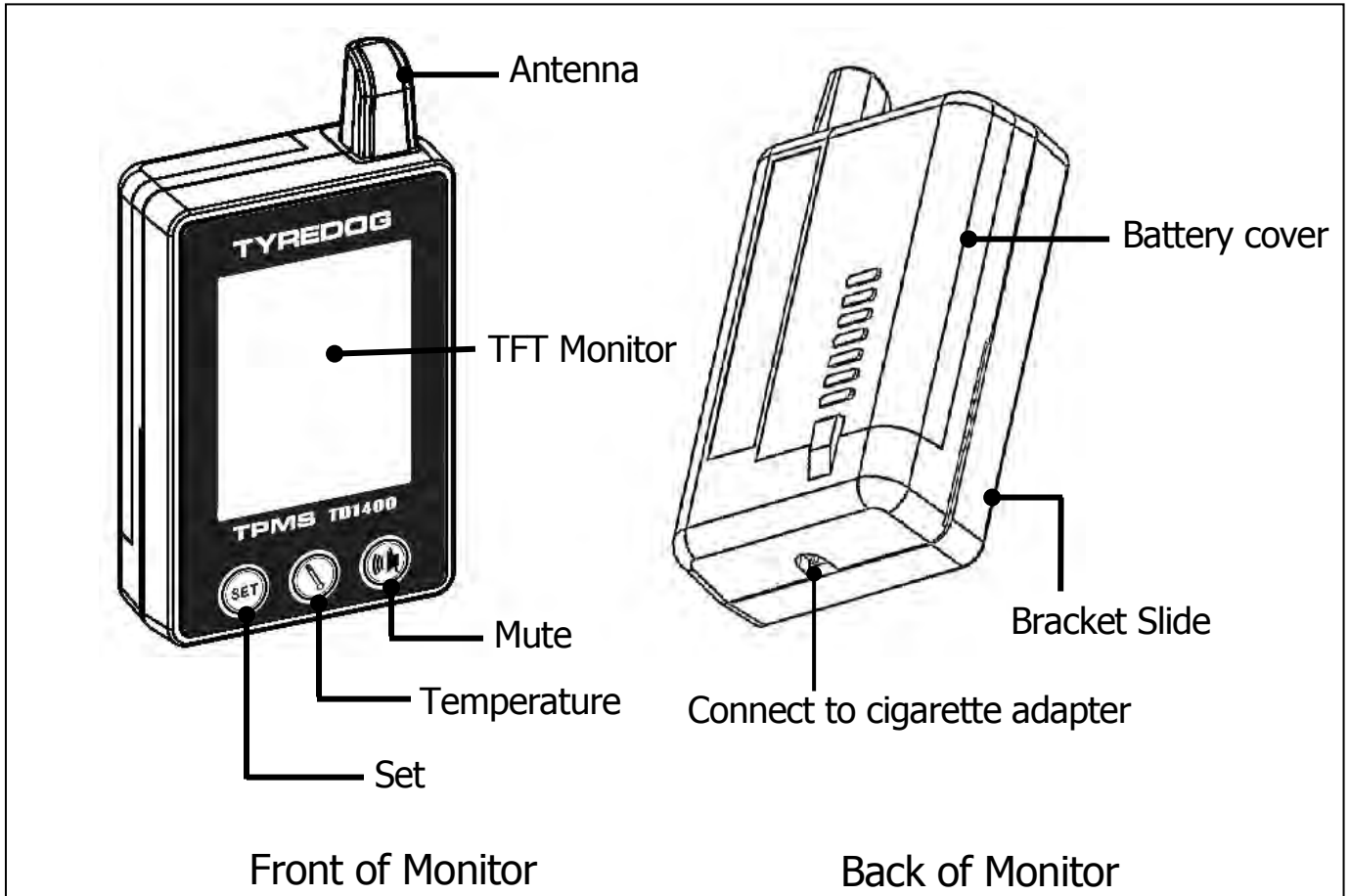
- Graphic user interface: Powerful graphical user interface for rapid understandings of tire status.
- Real-time: high accuracy, real-time monitoring tire pressure and temperature and accuracy achieve 1 PSI. difference.
- Adjustable: fully adjustable pressure and temperature warning range.
- Warnings: you will be aware of abnormal status of tire pressure easily from TFT panel or from beep sounds.

Reliability and Robust

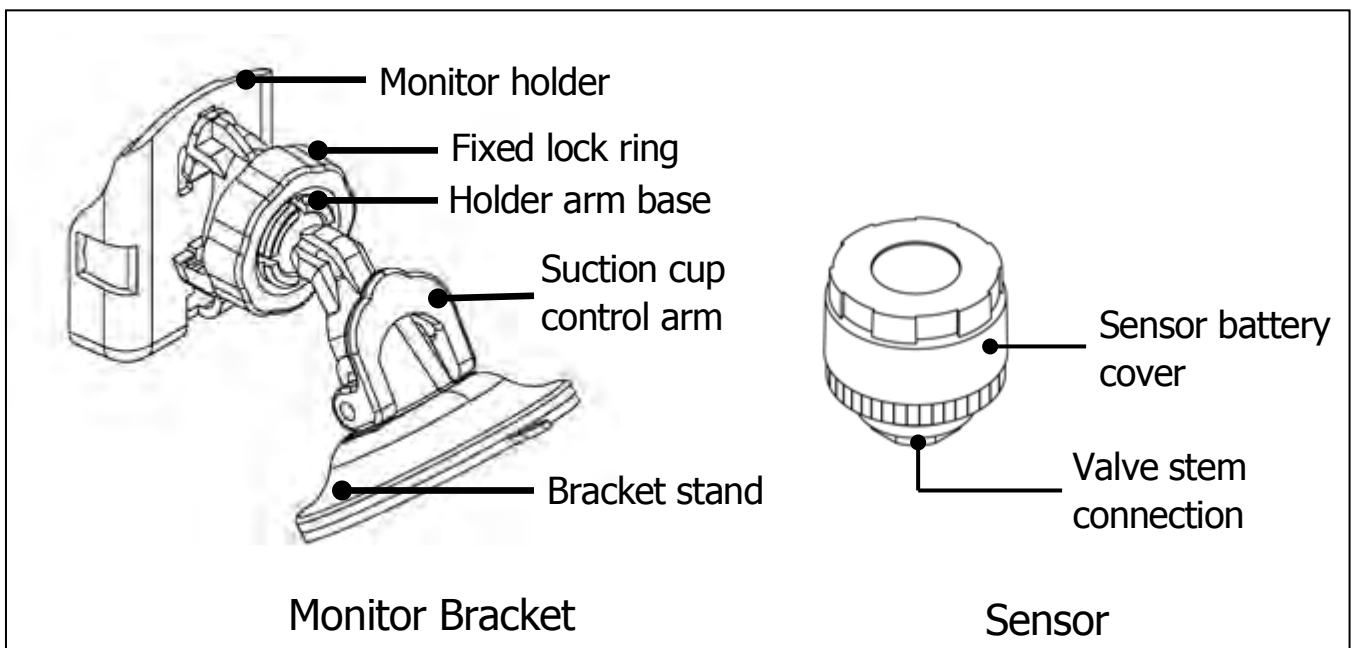
- Anti-theft tool for sensor: all electronic sensors can be locked in place to prevent theft.
- Sensors are changeable in the very unlikely event of defect or damage, so down time is minimal.
- Ensure signal accessibility by providing peripheral signal integrity technology.
- Strict environmental test has approved its reliability.
- 60 PSI: Tire pressure can support up to 60 PSI.
- Corrosion protection: metal section completely immersed in rust preventative coating for increased service life and reduced downtime. Rust preventative coating is applied for durability.

Location of controls and outlook

Monitor description









Monitor bracket description



Graphic user interface description

Monitor status :

-  : Normal
-  : Low pressure alert
-  : High pressure alert
-  : High temperature alert
-  : Low battery
-  : Learning mode









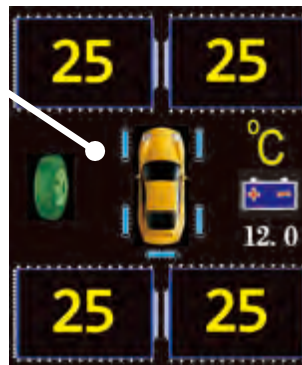
Pressure measuring unit :

-  
-  



Car battery power status Unit : Voltage

Sensor status :

-  : Data not received
-  : Data received
-  : Low pressure
-  : High pressure
-  : High temperature
-  : Low battery



Temperature measuring unit :

-  : Centigrade
-  : Fahrenheit

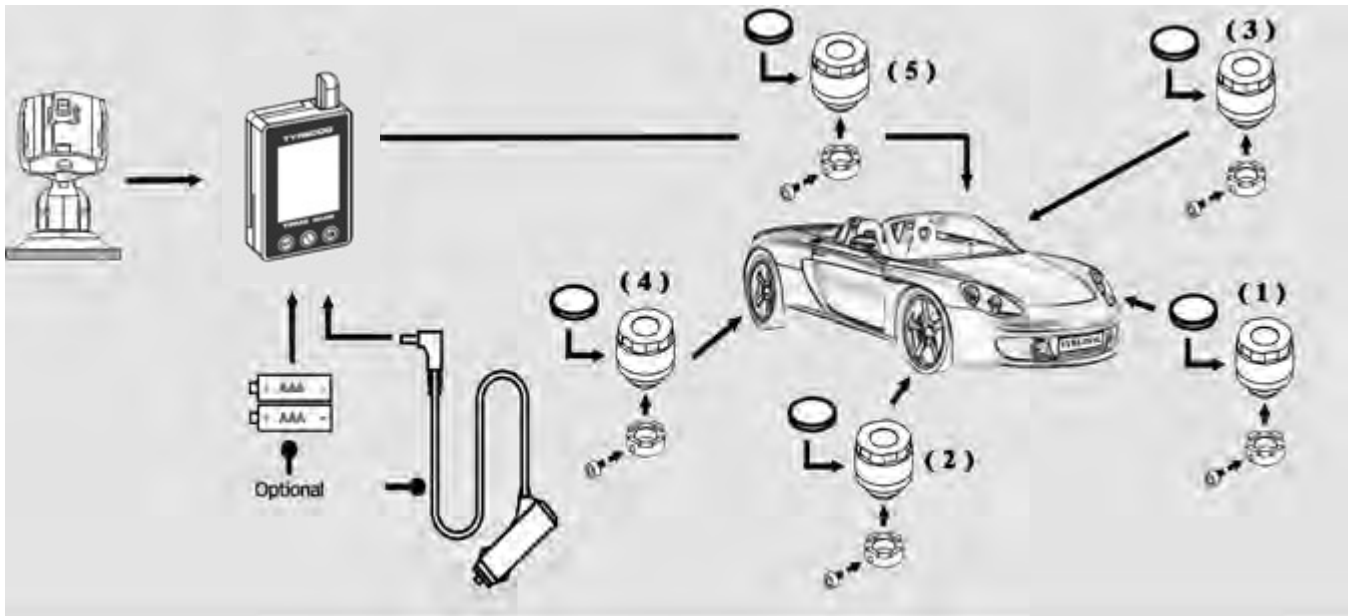
Notes:

1. Spare tire functions does not exist under the standard four-wheel mode.
2. To select 4 wheels or 5 wheels mode can be choice from this

process. (The manual is based on 5 wheels display to illustrate.)

Getting started

System map



TD1400A-X

Installation

TD1400A-X use 2 x AAA batteries as main power source, it can also plug into car 12V power supply. If using the 2 x AAA batteries and 12 V car power supply at the same time, this can extend the AAA battery life, and this will keep the display continue to show tire pressure status.

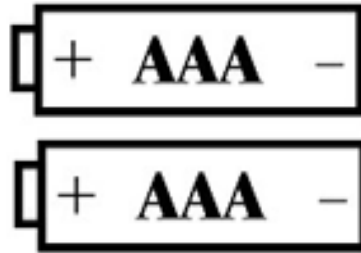
Installation Procedure

1. Insert batteries into monitor.
2. Insert batteries into sensors.
3. Screw sensors on every tires.

The installation of TFT monitor

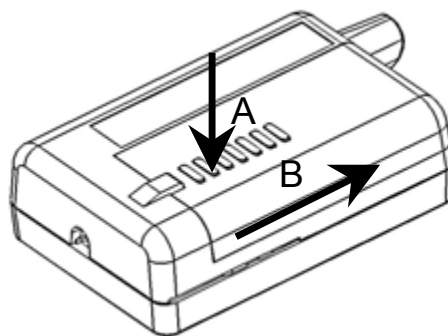
Battery as power source

- A. Please prepare AAA 1.5V battery which is provided in product package as well.



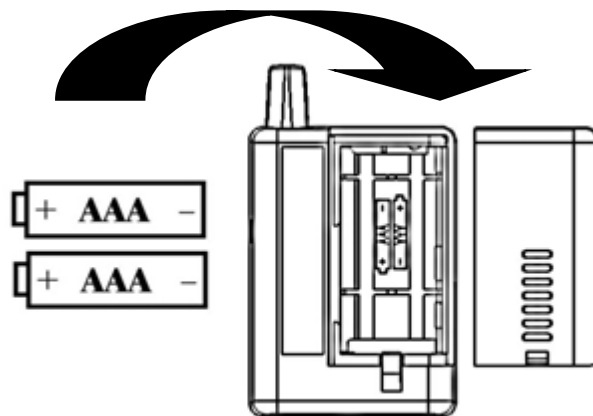
- B. Open the battery compartment cover.

Press the battery cover (As shown arrow A) ,Remove the battery cover (As shown arrow B)



- C. Insert the battery

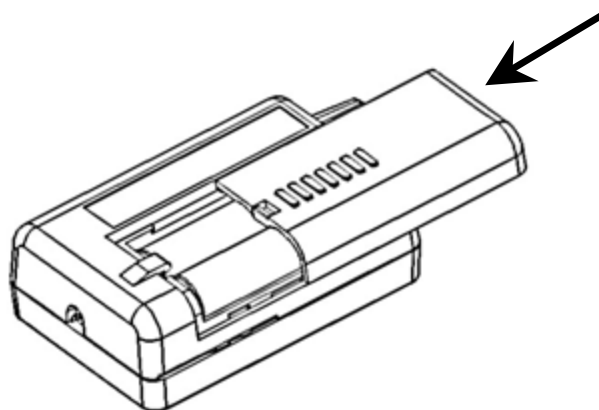
Insert the end with battery contacts and insert the battery until it locks in place.



Note: make sure battery polarity correct when insert it.

D. Close the cover

Press the cover until snaps shuts.



Power on monitor

When the battery is installed, the receiver will automatically boot, and receive sensor status, also display on the screen. At the beginning the display will show the previous record until new data is received. The booting-up screen is as picture below :

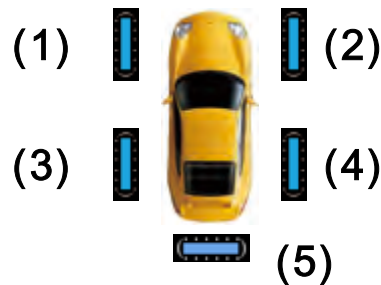


Note :

1. When batteries are exhausted soon, the battery level will be displayed. Please refer coming explanation.
2. Before you are going to next step, please make sure switching on your display first.
3. Make sure battery polarity correct when insert it.
4. The system is designed for the convenience of user. Therefore, user doesn't need to switch off monitor and we even suggest that user should keep the monitor power on all the time. The monitor will automatically enter 'sleeping mode' when system is not in use.

The installation of tire pressure sensors

As each sensor has its own position, you have to make sure its pre-set position. When inserting batteries in every sensors please don't mix up sensor caps and every sensors have own positions and sensors map could give guidance for user to install. Here is sensor map.



- (1) means " Front Left Tire ".
- (2) means " Front Rear Tire".
- (3) means " Rear Left Tire "
- (4) means " Rear Right Tire ".
- (5) This is symbol for a spare tire.

Note :

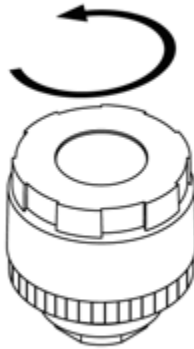
1. Make sure battery polarity correct when insert it.
2. Make sure sensor body won't mix up with other sensor cap.

When batteries are exhausted soon, the battery level will be displayed on the TFT monitor.

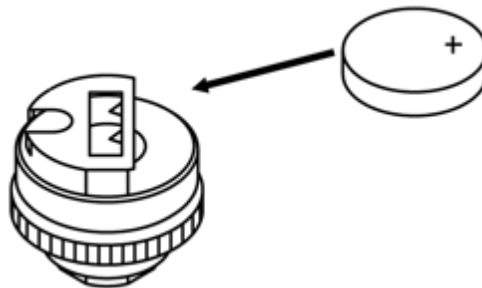
Insert batteries in sensors

Battery installation for tire pressure sensor

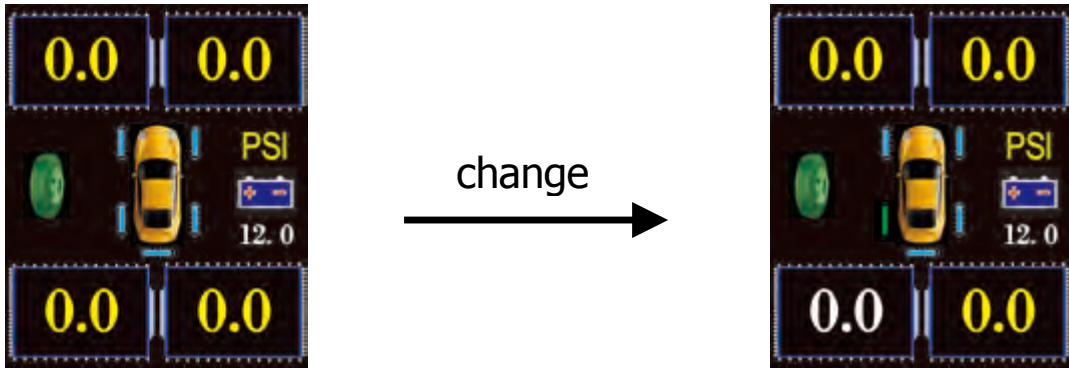
- A. Take away sensor cap in anti-clockwise direction.



- B. Insert lithium battery and make sure battery polarity correct when insert it.



Right now, monitor will receive signals from corresponding sensors and report pressure value on the screen. At first, you will find that the value shows "00.0". It is because sensors have not been mounted yet. The screen could show as below :

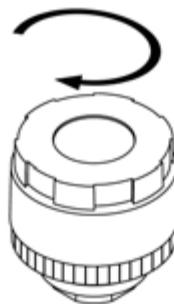


Take 3rd sensor for example

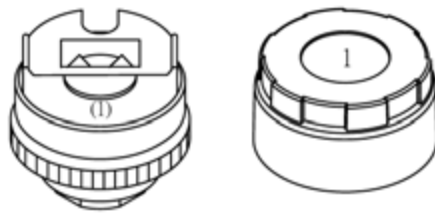
Note :

After take away battery, the status of being without battery need to leave for 10 seconds and then insert battery again. It is for resetting system.

C. Fit sensor cap in a clockwise direction.



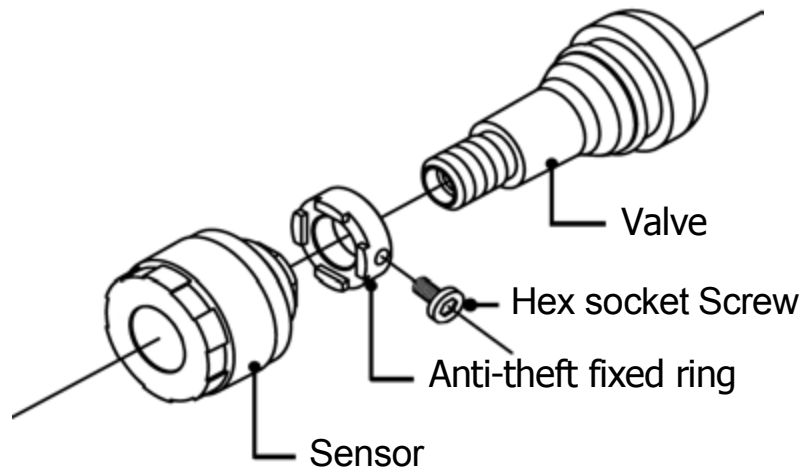
Please refer to "sensor map" to make sure the right position of each sensor and please don't mix up sensor caps either. You will find either sensor cap and sensor body have marks to remind user of its position.



Take 1st for example

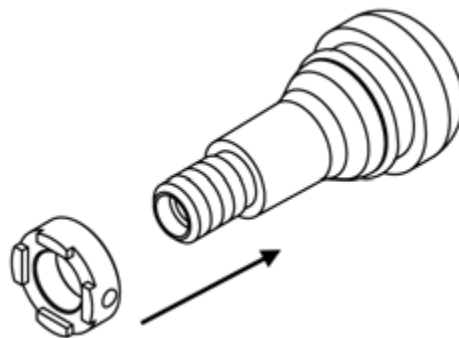
Anti-theft tool for sensor (Optional)

Anti-theft tool is designed to prevent the possibility of sensors being taken away. Users can decide if it is needed or not.

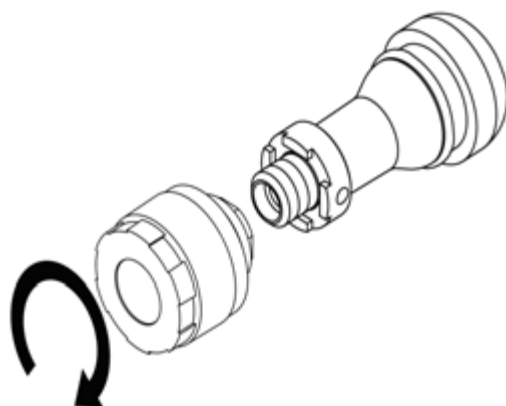


A. Put anti-theft fixed ring onto valve stem.

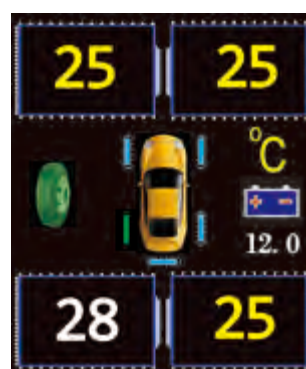
(Before installed sensor , please make sure the valve stem is properly clean, so there is no affect during tire pressure measurements.)



B. Install sensors onto valve stem. Don't install sensors by brute force

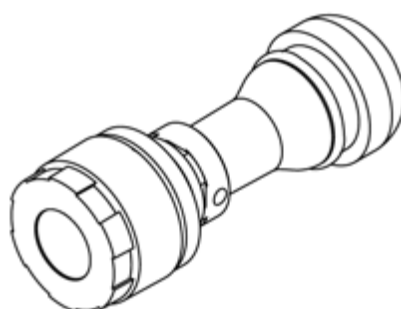


Now, the display will show you the latest value of tire pressure.

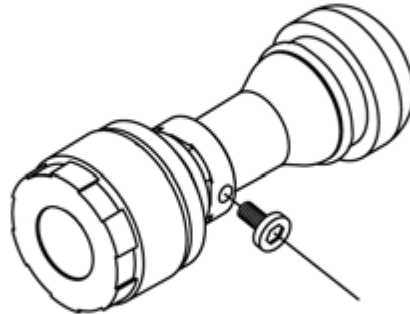


Take 3rd for example

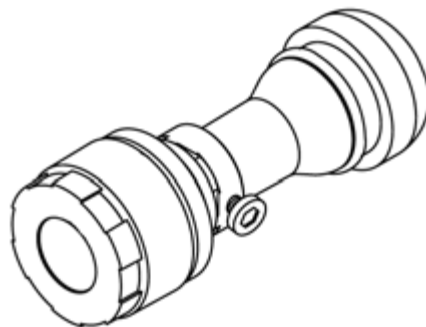
C. Adjust the anti-theft fixed ring position to install it with sensor in place firmly.



- D. Put the hex socket screw onto the anti-theft fixed ring.
(Please don't exert excessively to damage the valve.)



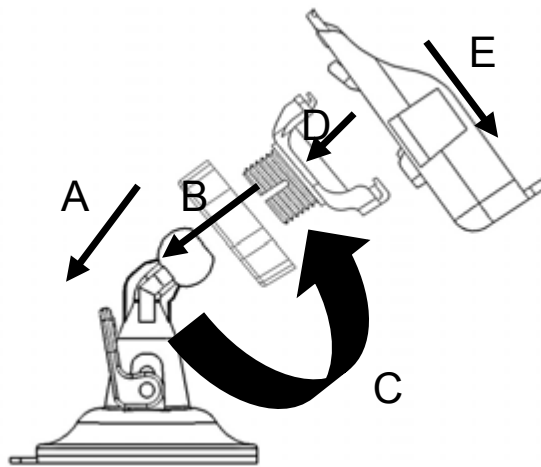
- E. When four tire pressure sensors are installed, please check with detergent water if the tire pressure sensors and tire valve is completely fitted without any air leakage. (spread detergent water on the valve stem)



The anti-theft tool can be decided to install or not. If not, step A, C and D could be just skipped.

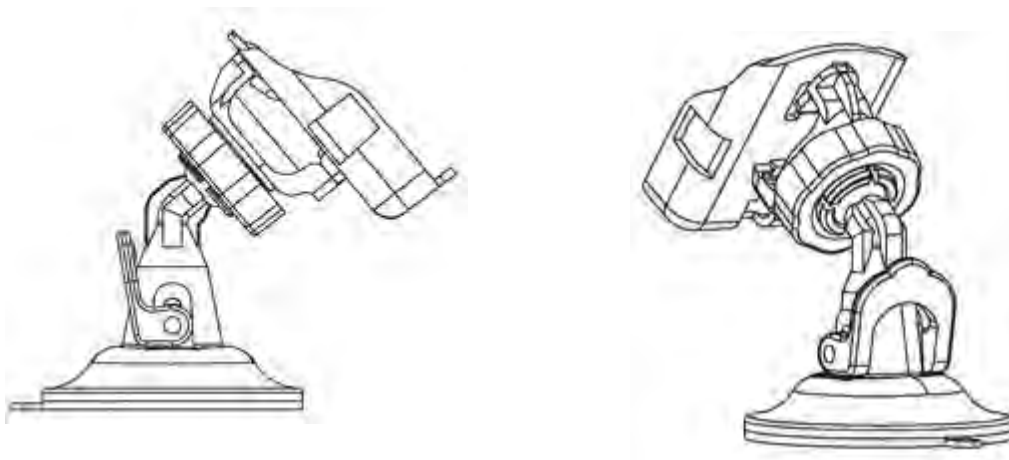
Mount the TFT monitor to the front windshield or dashboard

TFT monitor bracket installation



Holder installation guide

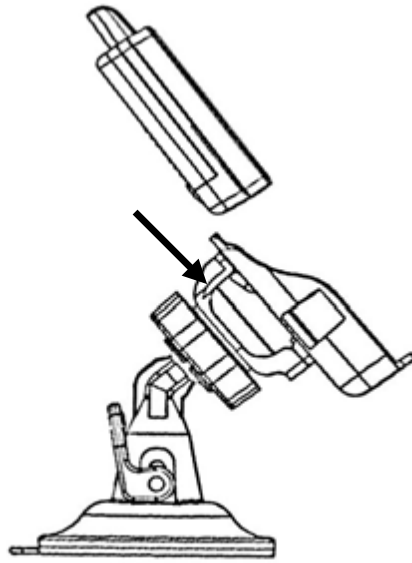
- A. Place the fixed lock ring under bracket stand.
- B. Insert the holder arm base on top of the plastic ball base.
- C. Adjust the proper position and tighten the fixed lock ring.
- D. Place the mortise of holder arm base into the slot of monitor of holder.
- E. Press the monitor holder until heard click sound.



Installation completion

Mount TFT monitor to bracket

- A. Mounting the monitor into the holder until heard 'click sound'.



- B. Mount the TFT monitor to the front windshield or dashboard.

Note :

Be careful not to splash juice or other soft drinks onto the TFT monitor.

Before fix bracket, chosen flat and clean surface is necessarily for better hold of bracket.

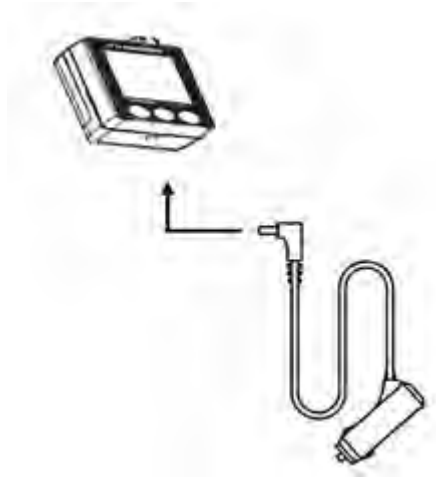
To keep the screen clean, do not touch the surface. Handle the display unit by its edge.

Monitor should keep standing-up vertically. Up side down or lay down monitor could lead to dysfunction.

Optional – car lighter power cord

Another option for use is by connecting to car lighter adapter and battery will not be needed.

- A. Connecting lighter power cord to monitor.



- B. Connecting power cord to car lighter adapter as well.

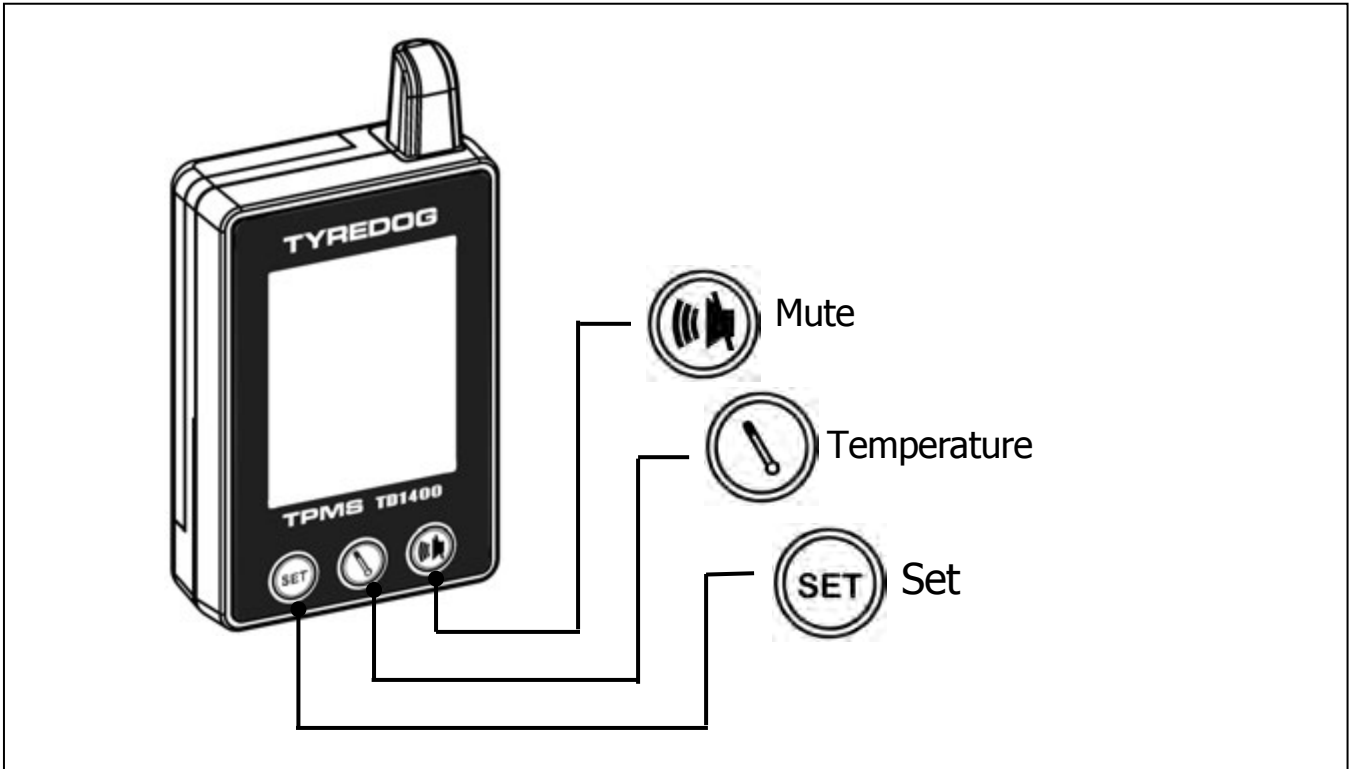
Note :

Used a car cigarette lighter power cord for power, the monitor and backlight will remain turn on position at all time.

Operating instructions

Monitor basic function

Location of function buttons



The screen content and basic operation

	Mute
---	------

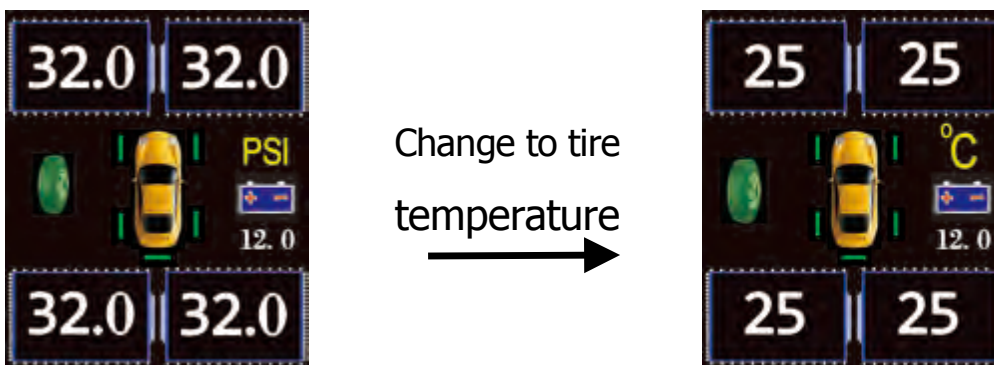
Silent mode switch, when the tire pressure and temperature anomalies, the abnormal situation will be displayed on the TFT screen and there will be a "Don" Don " Don " with 5 times sound the alert. Soft reduction press mute button can be back to normal function.




(This reference icon is high pressure warning, tire pressure values may be different)

	<p>Tire temperature/ Spare tire pressure and temperature</p>
--	--



Press with care , on the TFT screen will display the temperature of the four tires wait after 10 seconds, and then show the spare tire's temperature and pressure for 10 seconds, and return to the normal display status.



	Setting Mode
---	--------------

When press setting button for about one second will show setting mode like below. In this mode temperature button set option button, can choose pressure and temperature unit or pressure and temperature's warning range setting. Setting button set to enter option button ,mute button set to quit button. Setting button and temperature button each set to adjust the value of function button in the warning range. If in setting mode idle for 15 seconds will change to normal display mode.



change to setting mode

 Back to Display mode




: front wheel tire warning setting



: Back wheel tire warning setting



: Pressure unit setting



: Temperature unit setting



: Learning mode

- Warning range setting



Lo.P SET : Low tire pressure setting

HI.P SET : High tire pressure setting

HI.T SET : High tire temperature pressure



Low tire pressure warning

(default value=26PSI)



High tire pressure warning

(default value=45PSI)



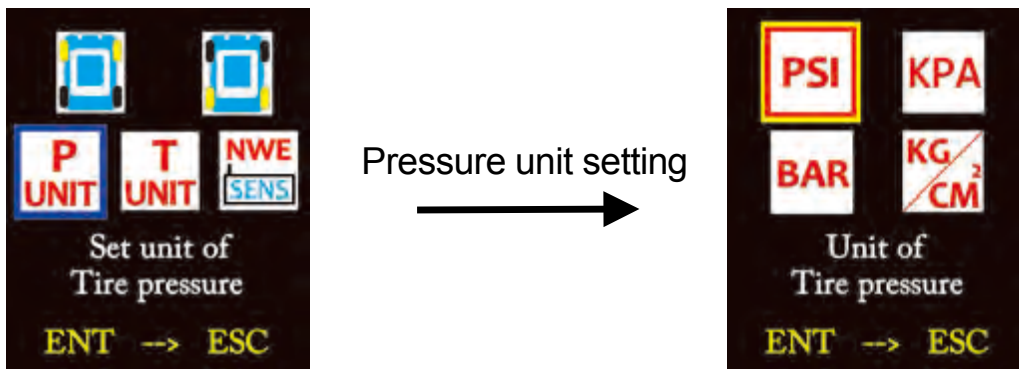
High tire temperature warning

(default value=70□)

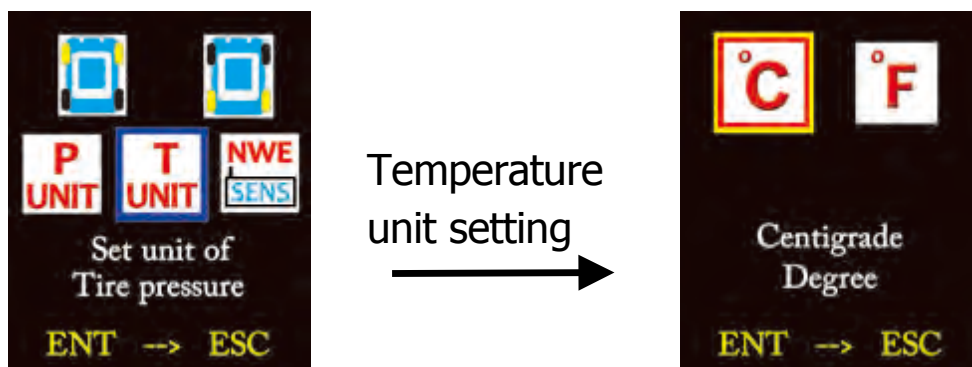
Repeat the rear tire Temperature and pressure setting.

Repeat the spare tire Temperature and pressure setting. (Under the 4 wheel mode this function does not exist.)

- Pressure unit setting



- Temperature unit setting



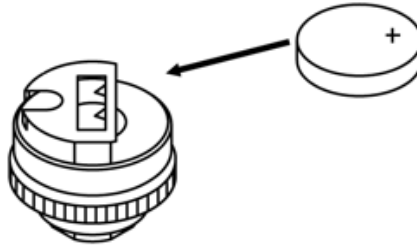
- Learning mode

When you need to replace any of existing sensors with learnable sensor, you will need this function. Normally, original sensor has its own identified number and you won't need to do anything with sensors. However, whenever you lost your original sensor or sensor is broken, you will need to purchase a new 'learnable sensor' to replace. The 'learnable' sensor can be bought in your local dealer.

After change to learning mode, system can let re-recognize new sensor, As the photo below :



Change to learning mode



3rd wheel position as sample

Install battery to learning sensor ,sensor `s wheel position pressure value will show pressure value ,monitor will be accompanied by `beep`sound to complete learning setting.As the photo below :



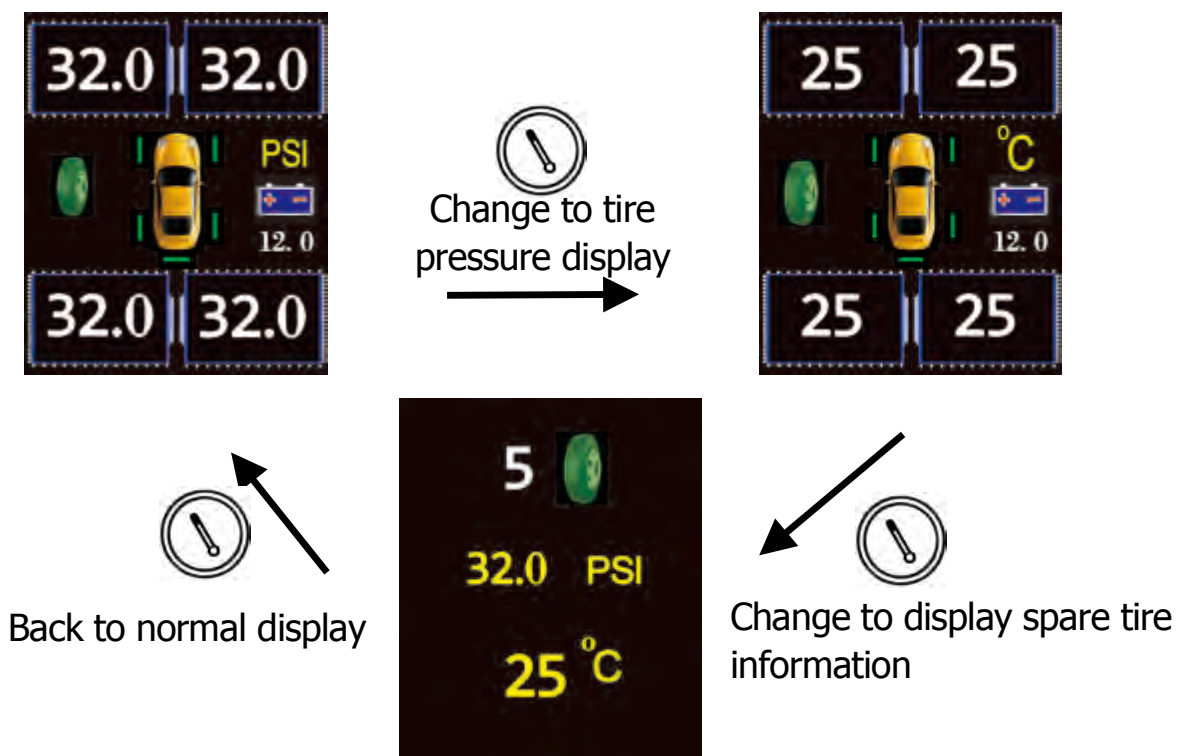
Note : This function only provide to learning sensor, standard sensor can't be re-learning.

- Activate the spare tire function

The main features of this function is to switch display from 4 wheel display to 5 wheels display.

Press the Set button to enter setting mode then press the backlight button again for 8 seconds the display will switch from 4 wheel display to 5 wheels display.

When pressing setting button to enter setting mode, please choose enter learning mode, let system recognize fifth sensor. After exit learning mode back to normal display mode ,TFT monitor will have spare tire icon. At this time if you want to check spare tire state, please press temperature button into four wheel display. Then press temperature button again will display fifth wheel's pressure and temperature value. Waiting for 5 seconds or press temperature button can return to normal display state.



(Refer icon ,tire pressure default value maybe different)

Operating Procedure

Initialization

After booting the system , monitor will enter boot screen. It will began to detect the host power supply first, and wait for the sensor transmit tire pressure and temperature values, this is initial state. The screen displays pressure and temperature values are before shutdown value. Once receive ,will display current pressure and temperature values on the screen. Without any abnormality ,it will enter to normal display state.

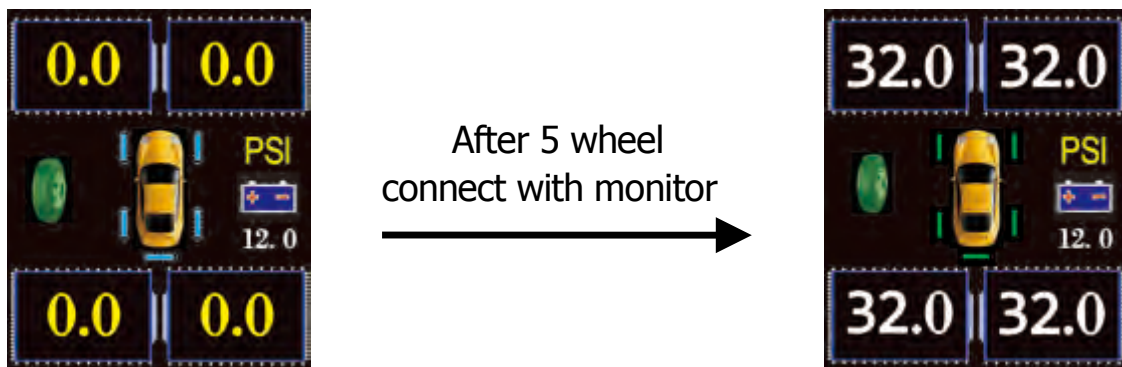


Initialization stage , wait sensor transmit

Main screen under normal condition

After monitor receive sensor connection information ,it will change figure color and sensor condition icon. After all sensor connect with monitor, sensor and monitor become normal. If there don't have any warning, it mean monitor and sensor power enough and tire pressure and temperature all in default

value. After all sensors connected with monitor will change default value color and sensor state icon. Sensor connected with monitor is normal, if there don't have any warning means monitor and sensor power enough and tire pressure and tire temperature all in standard value.



(Refer icon, tire pressure default value maybe different)

Standby

mode

After turn on ,if more than 10 seconds do not press any button, monitor will automatically enter standby mode. In this mode, screen didn't display any information. But still continue receive information. Therefore , power consumption is very minimal, can improve battery life .As below picture:

(If use external power supply will maintaining display state, does not enter standby mode)



Monitor into standby mode

Press temperature button Backlight turn on normal state



Beginning display

(Refer icon, tire pressure default value maybe different)

If you want to wake up monitor , press temperature button. At this time monitor backlight will turn on and back to normal state. shown above right picture. This is last time receive pressure value , when sensor transmit new value monitor will re-update the value again

Abnormal tire pressure or temperature

Tire pressure below lower warning value

If tire pressure is below lower warning range (default value= 26 PSI.), monitor will "Don" for five times and shown tire pressure warning on monitor and continue "Don" "Don" "Don" for ten times. which means low tire pressure now.

The picture is shown below to explain the rear-left tire has tire pressure low now.



Take 3rd for example

If tire pressure keeps dropping, every one PSI lower, it will warn again. The situation will be stopped, when tire pressure is back to standard value.

Note : Strongly suggest that as long as low tire pressure warning is on, check tire situation first to ensure safety.

Tire pressure over topper warning value

If tire pressure is over topper warning range (default value= 45 PSI), monitor will "Don" for five times and shown tire pressure warning on monitor and continue "Don" "Don" "Don" for ten times, which means high tire pressure now.

The picture is shown below to explain the rear-left tire has tire pressure high now.



Take 3rd for example

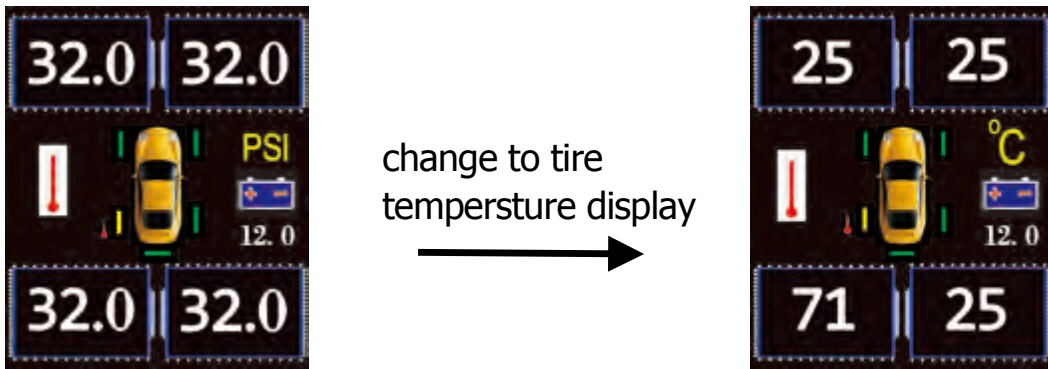
If tire pressure keeps on rising, every one PSI higher, it warns again. The situation will be stopped, when tire pressure is back to standard value.

Note :

Strongly suggest that as long as low tire pressure warning is on, check tire situation first to ensure safety.

Tire temperature over the safety setting range

If tire temperature is over warning range (default value=70°C), monitor will "Don" for five times, and continue "Don" "Don" "Don" for ten times, which means high tire temperature now. The picture is shown below to explain the rear-left tire has tire temperature high now.



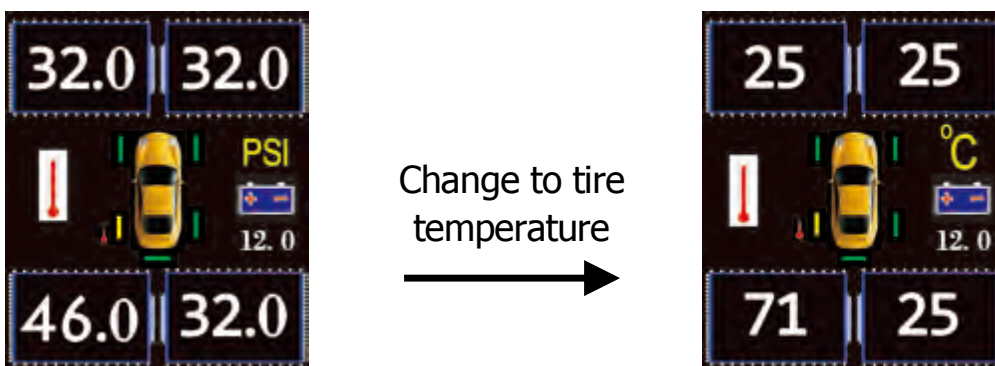
Take 3rd for example

If tire temperature keeps on rising, every one \square higher, it warns again. The situation will be cleared, when tire temperature is back to standard value.

Note :

Strongly suggest that as long as high tire temperature warning is on, check tire situation first to ensure safety.

Note : If tire pressure and temperature are not match with standard value at same time, monitor will give priority to high temperature warning icon displayed.



Display tire pressure

Display tire Temperature

(Refer icon ,tire pressure default value maybe different)

Monitor runs out of power

Battery power in monitor will decrease by daily operation and when power level is lower to some extent, battery low indicator in TFT monitor will appear to remind driver of time to replace battery. The icon is shown as picture below.



Please change monitor battery as early as possible to make sure system function well.

Car battery low power

When user use the power cord to operate the monitor if the battery power is less than 10 V the icon will be in red and display the current voltage. The following photo is the icon with low voltage.



Please maintain your car battery regularly.



Sensor runs out of battery sensor power shortages








Battery power in sensor will decrease by daily operation and when power level is lower to some extent, the sensor battery low indicator will appear to remind driver of time to replace battery. The icon is shown as picture below.



Please change sensor battery as early as possible to make sure system function well.

The definition of warnings

Item	Definition	Purpose	Status
1.	When tire pressure is below lower warning value	To remind driver of low tire pressure	Five times "Don" sounds and change value color  icon, continue ten times warning sound
2.	Low tire pressure continuing lower by one PSI.	When tire pressure is already below lower warning value, warning will be given by every one PSI. lower.	Five times "Don" sounds and continue display  icon, continue ten times warning sound
3.	When tire pressure is higher than	To remind driver of high tire pressure	Five times "Don" sounds and change value color

	upper warning value		 、  icon , continue ten times warning sound
4.	High tire pressure continuing rise by one PSI.	When tire pressure is already over upper warning value, warning will be given by every one PSI. lower.	Five times "Don" sounds and continue display  、  icon, continue ten times warning sound
5.	When tire temperature is higher than upper warning value	To remind driver of high tire temperature	Five times "Don" sounds  、  、  icon, continue ten times warning sound
6.	Learning mode	To remind driver new "learnable sensor" is integrated	"Don" sound

Additional information

Under normal conditions, sensor batteries will last approximately 1~2 years. (The service life may be shorter, depending on the conditions of use.)

- When the battery becomes weak, the power low indicator will appear on the screen. Replace the battery with a new CR1632 lithium battery.
- Keep the lithium battery out of the reach of children. Should the battery be swallowed, immediately consult a doctor.
- Wipe the battery with dry cloth to assure a good contact.
- Do not hold the battery with metallic tweezers, otherwise a short-circuit may occur.
- Do not recharge, disassemble, or dispose of in fire.

- Battery may explode if mistreated.

Be sure to observe the correct polarity when installing the battery.


Trouble shooting

The following checklist will help you remedy problems you may encounter with your unit. Before going through the checklist below, check the connection and operating procedures.

1. Indications disappear from / do not appear in the display
 - A. Please make sure if monitor has battery inserted.
 - B. Be sure the power of battery is enough.
 - C. Be sure to observe the correct polarity when installing the batteries.
 - D. If you use power cord, make sure if it is disconnected.
 - E. Please make sure if battery has no power after use for a long time.
Battery could run out of power and we suggest to replace with new battery.
 - F. Confirm whether the device is in standby mode, this mode is to restart automatically from energy saving mode, the energy saving mode is to minimal the power consumption of device, the user can press the temperature bottom to trigger the device and turn on the device back to normal display.
 - G. If these solutions do not help improving the situation, consult your nearest Tyredog dealer.
2. No connection between sensors and monitor.

- A. Please make sure if sensors are in a configured distance. This system, TD1400A-X, should be applied in passenger car. If installed in other kind of vehicle, the system doesn't guarantee its functionality.
- B. Please make sure if sensor has battery inserted.
- C. Be sure to sensor the correct polarity when installing the batteries.
- D. Battery has no power after use for a long time. Battery could run out of power and we suggest to replace with new battery.
- E. Please make sure if your sensor has mixed with other systems'. As each sensor has its unique identified number and monitor can only receive pre-loaded identified number and cannot accept other new identified number.
- F. Please re-install the sensor's battery. After take away sensor's battery, the status of being without battery need to leave for 10 seconds and then insert battery again. It is for resetting system.
- G. If these solutions do not help improve the situation, consult your nearest Tyredog dealer.

3. Monitor have "Don" sound

When monitor screen have power is low  , if you continued use maybe cause monitor function unusual phenomenon ,Just replace the battery can bake to normal.

4. Monitor in the 'standby mode'.

Temporarily park car or drive car in a stable speed, which could let monitor get into 'sleeping mode'. It is a special design for power-saving

purpose. You can simply slightly shock monitor or press any of buttons to wake it up.

5. After monitor boot up, no connection icon

When sensor have more than 1 PSI changes, will send new pressure and temperature .Therefore temporary do not have connected icon.

6. Please make sure the surface of glass is clean and flat to give the best fitness to monitor bracket. Otherwise, the monitor could drop off.


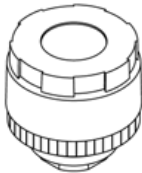
Tire pressure will be always changing by many environmental factors.



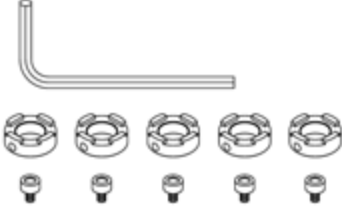



7. Relearning function



The learning mode can only operate with new learning sensor

8. As a result of changes inside tire temperature, tire pressure will cause changes in the number of PSI.

Product package content

Items	Content	Quantity	
		X-04	X-05
TD1400A-X TFT Monitor		1 piece	1 piece
TD1400A-X Tire Pressure Sensor		4 pieces	5 pieces

CR1632 Lithium Battery		4 pieces	5 pieces
AAA-1.5V Battery		2 pieces	2 pieces
User guide		1 piece	1 piece
Anti-theft tool		Spanner 1 piece	1 piece
		Anti-theft fixed ring 4 pieces	4 pieces
		Hex socket screw 4 pieces	4 pieces
Monitor holder		1 piece	1 piece
Suction Cup Bracket Holder		1 piece	1 piece
Holder arm base		1 piece	1 piece

Fixed lock ring		1 piece	1 piece
Cigarette power cord		1 piece	1 piece

Product specification

Sensor specification	
Frequency	433.92MHz
Pressure range	0 ~ 60PSI
Accuracy	Tire pressure ± 1 PSI 、 temperature ± 2 $^{\circ}$
Operating voltage	3 Volts DC
Operating temperature	-40° ~ 125°
Battery life	1-2 years (depends on working hours per day)
Dimensions	Diameter 20.5mm X height 20mm
Weight	10g (± 1)
Monitor specification	
Frequency	433.92MHz
Operating voltage	3 Volts DC(Battery) /12 Volts DC(External)
Battery life	0.5 years (depends on working hours per day)
Operating temperature	-20° C ~ 80° C
Dimensions	Length 63mm X width 42.5mm X height 20mm

Weight	60g
--------	-----