Tire Pressure Monitoring System
User Manual

● **Pressure Range:0~80 PSI**

● **Model:TPE01A**

(Cap Type)

TPV05A

(Valve Type)

TPV03A

(Valve with Antenna Type)

TPC03A

(Clamp Type)

Table of Content

1、Product Introduction

(1) This tire pressure monitoring system contains highly accurate sensors to detect tire pressure and temperature; and RF modules send data via radio wave to the digital receiver placed in driver's cabin.

(2) The tire pressure monitoring system –TPV05A/TPV03A/TPC03A starts to detect pressure and temperature automatically when the vehicle is in motion. The tire pressure monitoring system - TPE01A starts to detect pressure and temperature automatically when the sensor is mounted. Pressure and temperature data will be showed on the LCD screen of digital receiver. If the pressure and temperature go wrong, the driver will be warned with LCD backlight, beep, and flashing numbers. Therefore, the driver can take action immediately.

2、Safety Notice

(1) Tire pressure monitoring system is a vehicle safety warning system. Please follow installation guide and instruction carefully. When the system sends out warming signals, please check your tires immediately.

(2) This product has to be properly installed and programmed by professional technician.

3、Vehicle Application

This product is suitable for "0~80PSI" tire pressure range.

4、What are Included in the Package

(Transmitter type is one of NO.4.7~4.9)

4.1 Digital Receiver：1unit (Receiver)	4.2 User Manual：1 copy	4.3 Antenna：1 pcs
		

4.4 Strap：4 pcs	4.5 Power Cable：1 pcs	4.6 Receiver' Holder ：1 pcs
		
4.7 Transmitter：4 pcs	4.8 Transmitter：4 pcs	4.9 Transmitter：4 pcs
	 With Antenna 	

5、Installation of TPMS

5.1 Install Receiver

(1) Install the Receiver' Holder on the back of it.	
(2) Install the Antenna.	
(3) Use the Receiver's Holder to install the Receiver on the vent of air conditioner.	
(4) Install the Cigarette Lighter Power Cable on the Receiver.	

(5) Turn on the KEY SW, the Receiver will show「**??P**」. (6) Reverse above steps to remove the receiver.	??P ??P ??P ??P

5.2 Install Transmitter

Attention: Transmitters must be installed by professional technicians. The technicians have to follow the installation guide step by step to install transmitters correctly.

Following tools and instructions are for technicians, not for end users.

Tools：

- Tire Changer
- Wheel Balancer
- Pliers
- Other Hand-tools

5.2.1 Install Cap Type Transmitter

Please follow steps below to install cap type transmitter. Wheel balancing is required after the installation.

※※IMPORTANT: Turn on the Receiver and go to the General Set Up Mode/Search TX ,then place the transmitter one by one(See NO.8.6)See Page:18

1. **Place the transmitter on the valve. Make sure the one gets the signal and wait 2 mins to prevent getting the same ID, then you can go to the next.**	2. Shown as No.1

NOTE:NO.8.6(Page 18)

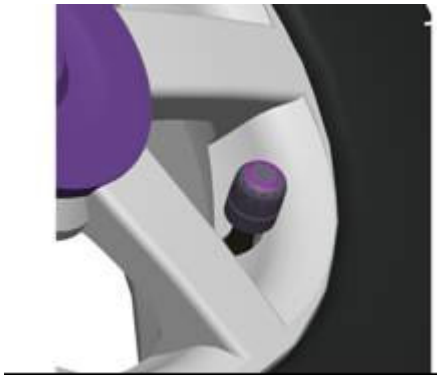
1.1 Search TX.

Search
Tx

1.2 Pick Up tire

→01 02
03 04

3.Set tightened torque at 9~10 Kgf.cm.

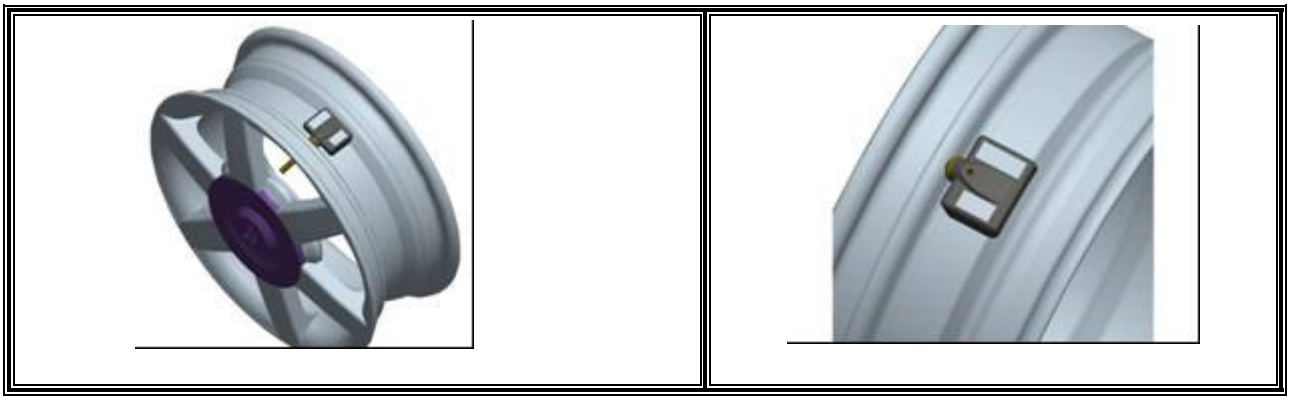


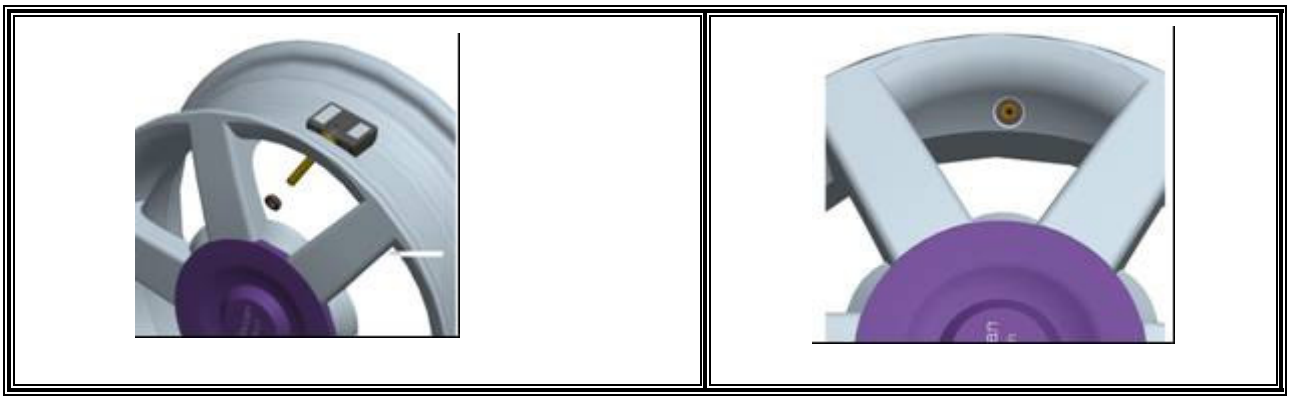
5.2.1 Install Valve Type Transmitter

(Before install the tire please set up the ID of the transmitter first, refer to NO.10)

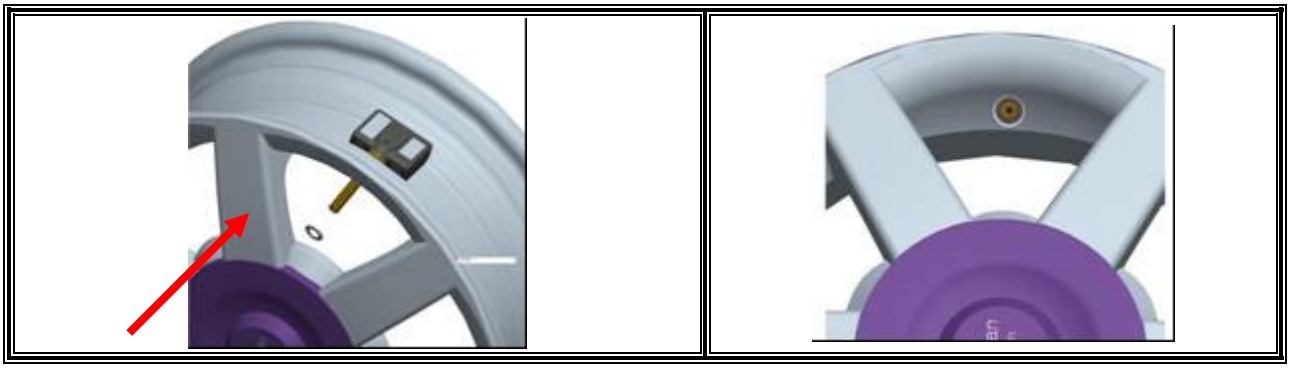
See Page:23

(1)Install the Valve type into the valve of tire disc.



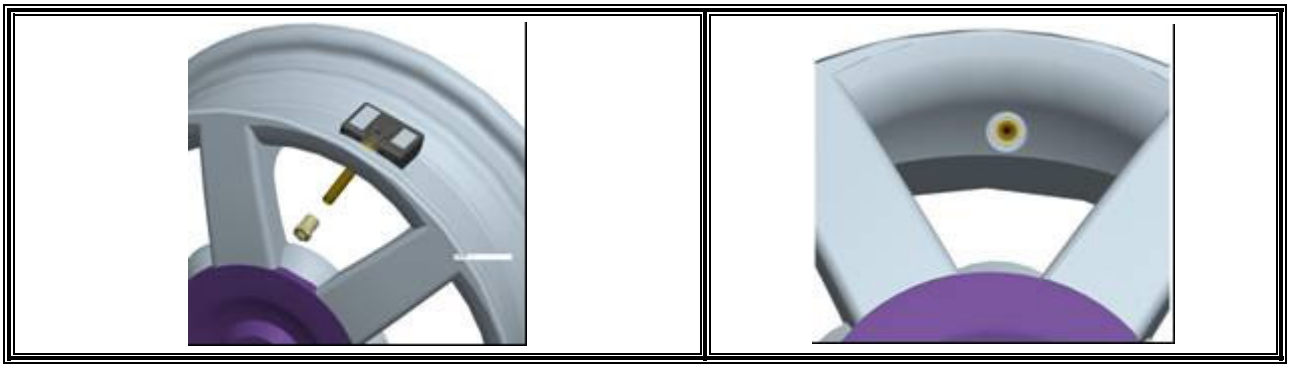


(2)Install the Washer into the valve of Transmitter.



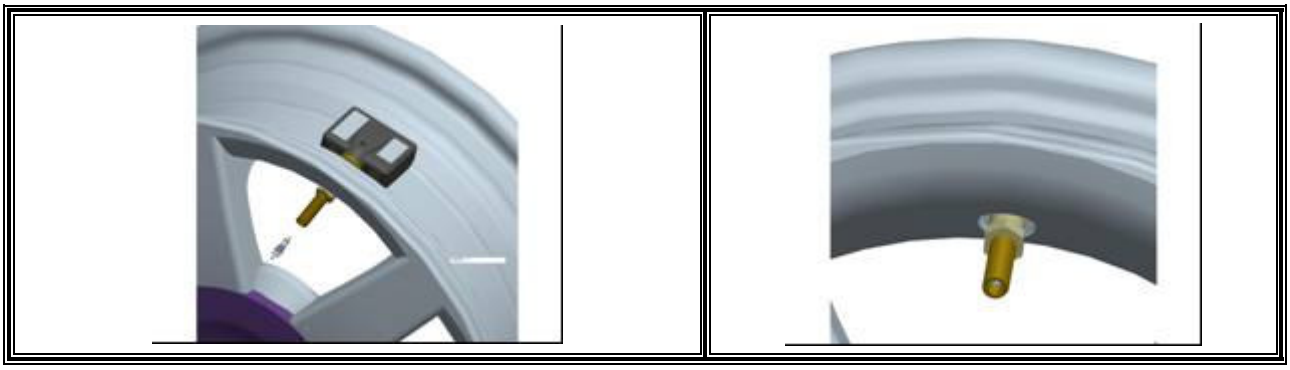
(3)Tighten the Nut into the valve of Transmitter.

（Tighten Torque 35~45 Kgf-cm）

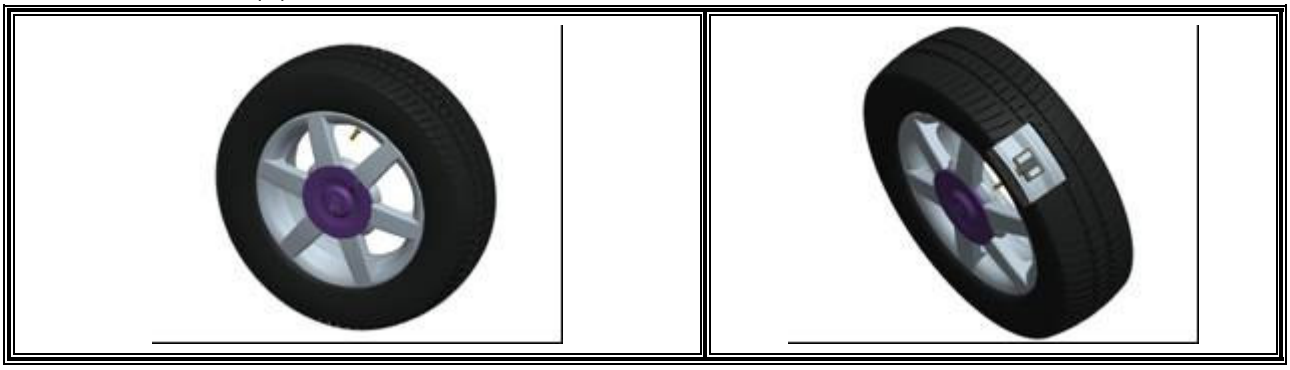


(4)Tighten the Nozzle into the valve of Transmitter.

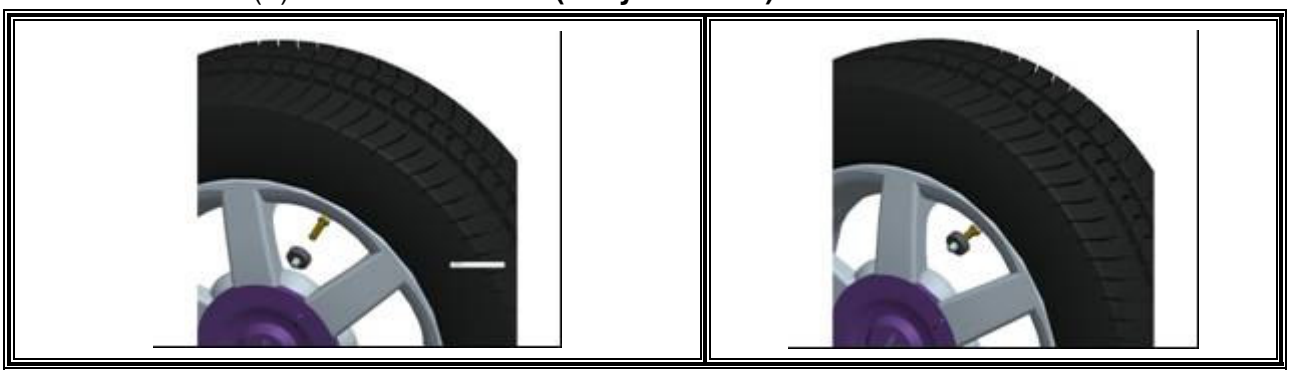
（Tighten Torque 2~3.2 Kgf-cm）



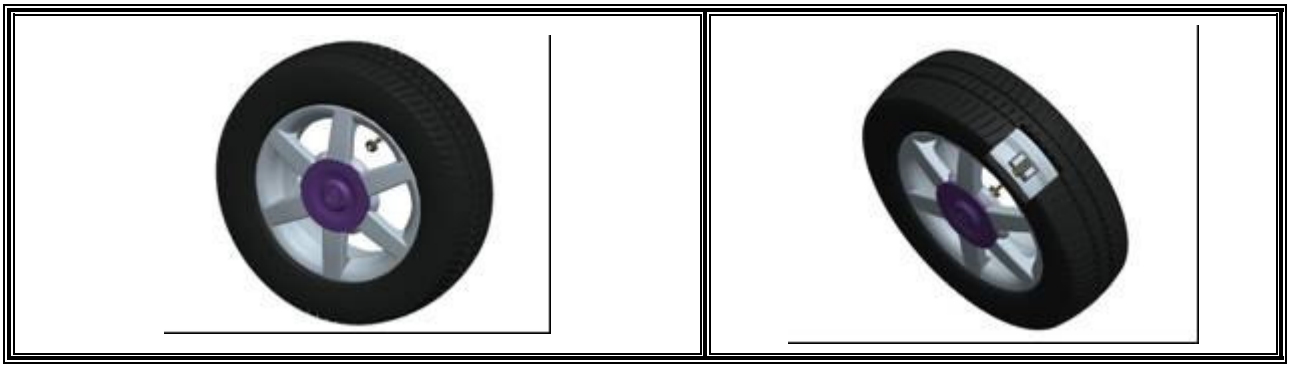
(5)Install the tire.



(6)Install the Antenna**(Only TPV03A).**



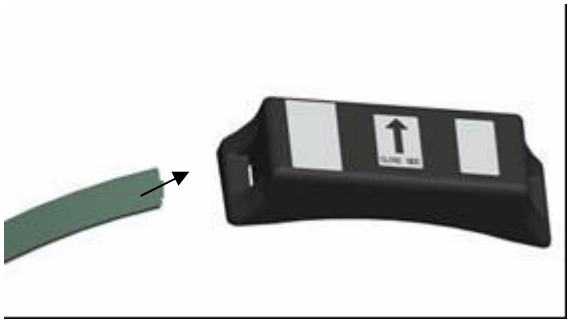
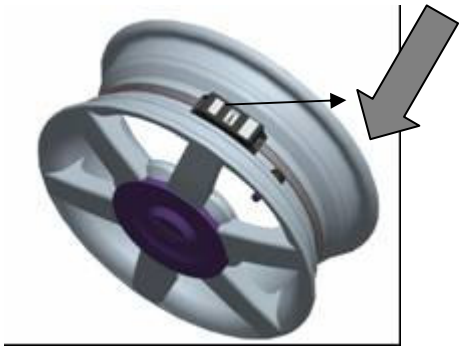
(7) Finished.



5.2.3 Install Clamp Type Transmitter

(Before install the tire please set up the ID of the transmitter first, refer to NO.10)

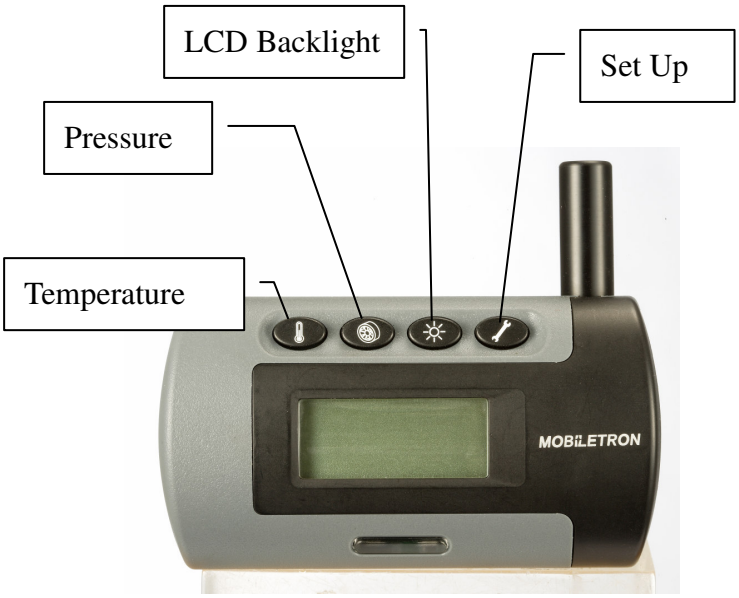
See Page:23

5.2.1.1 Please follow the standard procedures to dismount tire from rim.	
※※IMPORTANT: **5.2.1.2 Set up the ID of the transmitter and must keep other transmitters away from at least 1m away to avoid taking the same signal Then install the clamp.**	
5.2.1.3 Make sure arrow on the transmitter point to rubber valve side.	
5.2.1.4 Put the transmitter in the lowest area of the rim or drop center, and beside valve. Tighten the strap.(Torqre must over 0.35 kfg-m) Suggestion: Place lock of strap opposite to transmitter mounting position for better tire rebalancing.	
5.2.1.5 Cut excess strap off to approximately one inch (25mm); blunt sharp cutting edge.	

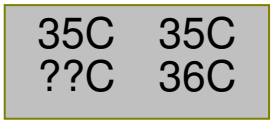
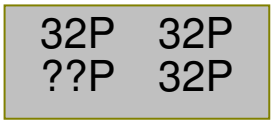
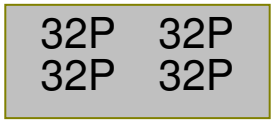
5.2.1.6 Wheel Balancing is required after transmitter installation.	
5.2.1.7 Reverse the above steps to remove a transmitter. **Suggestion:Tell technician that you have installed TPMS before he changes the tire.**	

6. Digital Receiver Function Description

6.1 Digital Receiver Diagram, Display Control and Indicators



6.2 The Receiver Button Function Description

	1.Temperature Button	Display temperature of tires after press button  . If no data received, the corresponding tire pressure will be displayed as “??C”. 
	2. ↓ (Downward Button)	In **“General Set Up Mode”**,acts as downward button to select function and number.
	3.Backward Button	In **“Special Set Up Mode”**,acts as backward button to select tire for programming.
	1.Pressure Button	Display pressure of tires after press button  . If no data received, the corresponding tire pressure will be displayed as “??P” 
	2. ↑ (Upward Button)	In **“General Set Up Mode”**,acts as upward button to select function and number.
	3.Forward Button	In **“Special Set Up Mode”**,acts as forward button to select tire for programming.
	1.LCD Display Backlight Button	Press button  to switch the backlight of LCD Display. 
	2.Confirmation Button	In set up mode,button  acts as confirmation button.
	1.Activate Set Up Button	Press button  more than 2 seconds to enter into **“General Setup Mode”.**

	2.Exit Set Up Mode	Press button  again to exit “Setup Mode”.

Note：Values shown above are for reference only.

7. Alarms and Warnings

7.1 Pressure Threshold Alarm and Warning

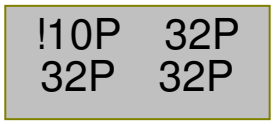
1. Tire pressure lower/higher than Manual Pressure Threshold Setting： Low/High Pressure Warning is initiated when the pressure drops below /rises above the programmed Pressure Threshold Setting Limit.	***Remark:** The manual pressure thresholds suggested being lower than 29PSI and higher than 42PSI. The pressure threshold value is adjustable by user.
■ **Warning Actions Include：** (1) LED Alarming Indicator blinks once. (2) **Two** short audio alarms. ■ **Suggested Action to Warning：** When the warning occurs, reduce speed and proceed to a safe location to check tires.	**Example:** When the tire pressure is lower than threshold, the LCD display will show something as below and initiate the pressure warning. 25P 32P 32P 32P
2. Tire pressure drops below the Factory-Preset Low Pressure Threshold Setting： Low Pressure Alarm is initiated when the pressure drops below the Factory-Preset Threshold Setting Limit. ■ **Alarm Actions Include：** (1) LED Alarm Indicator blinks once. (2) **Three** short audio alarms. (3) LCD Display Backlight remains on；The pressure value of the anomalous tire will be kept flashing and shown on the associated tire location. ■ **To Cancel Alarm actions：** Proceed **“Reset”** function as described on **“General Set Up Mode” Section 8.4.** Or	**Remark:** The low tire pressure warning value is set as 75% of the cold tire pressure. (1) The cold tire pressure for valve cap transmitter is the initial pressure detected while the transmitter screwed on the tire. (2)The cold tire pressure for clamp type transmitter is the tire pressure detected while the transmitter is waking up by its centrifugal switch. (if the tire pressure is below 30PSI, the cold tire will be detected as 30PSI, e.g. the low tire pressure

<table>
<tr>
<td>the low pressure warning will remain on the display even re-power the receiver.

■ Suggested Action to Alarm：
When the alarm occurs,reduce speed and proceed to a safe location to check tires.

Note：The Pressure Deflation Alarm will disappear when the tires are properly re-inflated to correct levels.</td>
<td>warning value will be 23PSI.

Example:
When the tire pressure is 10PSI, the LCD display will remain as left and the warning will activate.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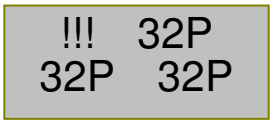
</tr>
<tr>
<td>3. Leak Warning
When the tire pressure decline rate is over 5PSI/minute(fast leaks) or 10PSI/10 minute.(slow leaks), the transmitter will initiate the warning. The tire pressure and the !!! warning signal will flash with interchanging.
Note：The leak warning might be wrongly initiated if the tire pressure is dramatically changed, esp. under the heavy rain or the significant temperature falls.</td>
<td> 
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Note：Value shown above is for reference only.

7.2 Temperature Threshold Alarm and Warning

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1. Tire Temperature higher than Manual Temperature Threshold Setting：

High Temperature Warning is initiated when detected tire temperature is above the programmed Temperature Threshold Setting Limit.

- **Warning Actions Include:**
  (1) LED Alarming Indicator blinks once.
  (2) **Two** short audio alarms.
  (3) The pressure value of the associated tire flashes once
- Suggested Action to warming：
  When the warning occurs, reduce speed and proceed to a safe location to check tires.

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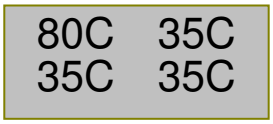
Note:
The default manual threshold Setting Limit is 75℃.

Example:
When the tire temperature is 80℃, the LCD display will remain as below and the warning will activate.



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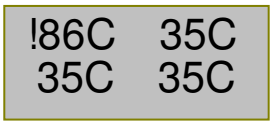
2. Tire Temperature higher then **Factory-Preset Temperature Threshold Setting：**

High Temperature Alarm is initiated when tire temperature rises above the Factory-Preset Temperature Threshold Setting Limit.

- **Alarm Actions Include:**
  (1) LED Alarming Indicator flashes once.
  (2) **Three** short audio alarms.
  (3) LCD Display Backlight remains on；The temperature value of the anomalous tire will be kept flashing and shown on the associated tire location.
- **To Cancel Alarm actions：**
  Proceed **“Reset”** function as depicted on **“General Set Up Mode” Section 8.4.** Or the low temperature warning will remain on the display even re-power the receiver.
- **Suggested Action to Alarm：**
  When the alarm occurs, reduce speed and proceed to a safe location to check tires.

</td>
<td>

Example:
When the tire pressure is 86℃,the LCD display will remain as below and the warning will activate.



Note:
The Factory-Preset Temperature Threshold Setting Limit is set at 85℃ in the transmitter firmware.

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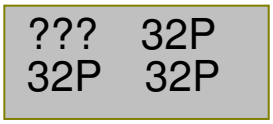
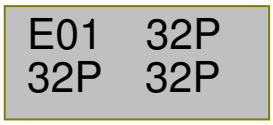
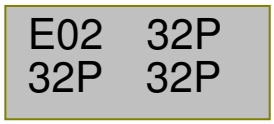
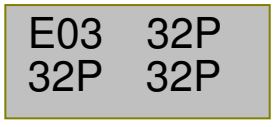
</table>

7.3 Other Warnings

1. Communication failure warning When the receiver has not received a transmitter signal over 30 mins., the ??? symbols will be shown on LCD display at the corresponding position. If the above symbols continuously remains on the display, the system might be poorly communicated or malfunctioned. Please return to the original manufacturer for further inspection. **Note：**If the receiver restarts, the counter will recount.	
2. ID correctness failure warning Once turning on the receiver, the transmitter ID code will be checked automatically. If the ID identification failed, the LCD display will display E01 signal as warning. **Note:** If the ID identification failure warning occurs, please re-setting the transmitter ID code.	
3. Low Battery Warning The low battery warning will be initiated while the transmitter is going to run out of battery. The tire pressure and the E02 warning digit will also flash alternately on the LCD display. **Note:** If the transmitter low battery warning occurs, please replace it with new transmitter.	
4. Sensor Malfunction Warning While the pressure and temperature sensing functions failed during sensor detection, the tire pressure and the E03 warning digit will flash alternately on the LCD display. **Note:** Please replace it with new transmitter.	

Note：Value shown above is for reference only

8. General Set Up Mode

8.1 Manual Low Pressure Threshold Setting

1. Press button for more than 2 seconds to go into **"General Set Up Mode".**	**2.** Use button (act as downward button) and button (act as upward button) to select **"Low Pressure Warning "** setting.
3. LCD Display will show： **Low Pre Warning** Press button to confirm	**4.** Use button (act as downward button) or (act as upward button) to select the setting for all or single tire. Press button to confirm. ALL OR SINGLE
5. If select SINGLE tire, use button (act as downward button) or button (act as upward button) to select the tire location for setting. Press button to confirm. →01 02 03 04	**6.** Use button (act as downward button) or (act as upward button) to select the low tire threshold setting value. Press button to confirm the pressure value. Or press button to cancel the above setting and exit **"General Set Up Mode".** 29 PSI

8.2 Manual High Pressure Threshold Setting

1. Press button for more than 2 seconds to enter **"General Set Up Mode".**	**2.** Use button (act as downward button) and button (act as upward button) to select **"High Pressure Warning "** setting.
3. LCD Display will show : Press button to confirm **High Pre Warning**	**4.** Use button (act as downward button) or (act as upward button) to select the setting for all or single tire. Press button to confirm. ALL OR SINGLE
5. If select SINGLE tire, use button (act as backward button) or button (act as forward button) to select the tire location for setting. Press button to confirm. →01 02 03 04	**6.** Use button (act as downward button) or (act as upward button) to select the high pressure threshold setting value. Press button to confirm the pressure value. Or press button to cancel the above setting and exit **"General Set Up Mode".** 42 PSI

8.3 Manual Temperature Threshold Setting

1. Press button for more than 2 seconds to enter **"General Set Up Mode"**.	2. Use button (act as downward button) and button (act as upward button) to select **"High Temperature Warning"** setting.
3. LCD Display will show : Press button to confirm **Temp. Warning**	4. Use button (act as downward button) and button (act as upward button) to select a number as High Temperature Threshold. 75 ℃
5. Press button to confirm setup value. Or press button again to exit **"General Set Up Mode".**	

8.4 Reset: (Clear present pressure and temperature values. This procedure will also cancel alarm status temporarily)

1. Press button for more than 2 seconds to enter **"General Set Up Mode".**	**2.** Use button (act as downward button) and button (act as upward button) to select **"Reset"** setting. Reset
3. Press button to confirm. OK	**4.** All previous pressure and temperature figures will be clear and show " ???". This main function is used to remove the display of low pressure warning.

8.5 Restore Factory-Preset Value

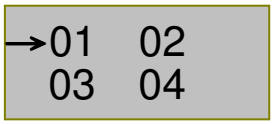
(This function is to restore the manual pressure and temperature threshold value to the factory-preset threshold. The Factory-Preset Low Pressure Threshold Value=29PSI, High Pressure Threshold Value=42PSI; Factory-Preset Temperature Threshold Value=75℃)

1. Press button for more than 2 seconds to go into **"General Set Up Mode"**.	**2.** Use button (act as downward button) and button (act as upward button) to select **"Default"** setting. Press button to confirm Default
3. LCD Display will show default Threshold Setting Value (P= Pressure,T = Temperature). P=29/42 T=75℃	**4.** Press button again to confirm Factory-Preset Threshold Setting. Or press button to cancel the restore function and exit **"General Set Up Mode".** and Threshold will remain as previous Manual Threshold Setting Value. OK

8.6 "Search TX"—for Cap Transmitter only

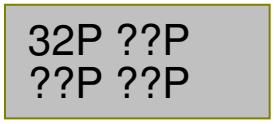
1. Press button for more than 2 seconds to enter **"General Set Up Mode"**	**2.** Use button (act as downward button) and button (act as upward button) to select **"Search TX"** setting. Press button to confirm. Search TX

3. Use button (act as downward button) and button (act as upward button) to select the tire location for setting ID code.



Press button to confirm

4. Once received the TX ID code, the tire pressure will be shown at the associated tire location on the display. Transmitter searching then completes. Press button to cancel the search function and exit **"General Set Up Mode".**



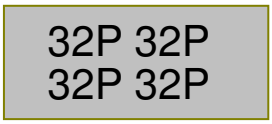
Note:

1. All ID setting should be finished within two minutes. Or the receiver will stop searching automatically. And when you install the next transmitter, please wait 2mins or displace the former transmitter.

2. The TX searching function is only for valve cap transmitter. For the initial installation on tires, each valve cap transmitter should do the pairing setting according to the 8.6 section.

8.7 Exit General Set Up Mode

1. Press button to exit the **General Set Up Mode**. The LCD Display will return to initial display.



Note： Value shown above is for reference only.

9 Special Set Up Mode

9.1 Exchange Wheel Location

1. Simultaneously press button and for more than 2 seconds to enter **"Special Set Up Mode".**	**2.** Use button (act as downward button) and button (act as upward button) to select **"Exchange Wheel Location"** setting. Press button to confirm. **Exchange Location**
3. Use button (act as downward button) and button (act as upward button) to move →cursor to select the tire location for rotation；Press button to confirm. →01 02 03 04	**4.** Use button (act as downward button) and button (act as upward button) to move ← cursor to select the tire location for rotation；Press button to confirm. →01 02 03 04←
5. Repeat the above setting procedures until all Transmitter ID codes are set to the associated tire location on the display.	

9.2 Manual input new transmitter ID code (Please contact with us)

1. Simultaneously press button and for more than 2 seconds to enter **"Special Set Up Mode"**.	**2.** Use button (act as downward button) and button (act as upward button) to select **"New ID Input"** setting；Press button to confirm.

3. LCD Display will show： New ID Input	**4.** Use button (act as downward button) and button (act as upward button) to move → cursor to select the tire location for ID input；Press button to confirm. →01 02 03 04
5. Use button (act as downward button) and button (act as upward button) to select a number ； Press button to confirm then move to the next number；Press button to cancel. (The ID below is for reference) ID：5B5B 5888	**6.** Double check input ID number to ensure it is identical to that on the Label of **new** Transmitter；Press button to confirm and complete the setting. Then install the transmitter in the associated tire OK

9.3 Set Pressure Unit Mode

1. Simultaneously press button and for more than 2 seconds to enter **"Special Set Up Mode".**	**2.** Use button (act as downward button) and button (act as upward button) to select **"Set Pressure Unit"** mode.
3. The LCD Display will show： **Set Pressure Unit** Press button to confirm.	**4.** Use button (act as downward button) and button (act as upward button) to select psi, kPa, Bar unit. Press button to confirm. **PSI**

9.4 Set Temperature Unit Mode

1.Simultaneously press button ☼ and 🔧 for more than 2 seconds to enter **"Special Set Up Mode".**	**2.**Use button 🌡 (act as downward button) and button ◉ (act as upward button) to select **"Set Temperature Unit"** setting.
3. The LCD Display will show： Press button ☼ to confirm. **Set Temp Unit**	**4.** Use button 🌡 (act as downward button) and button ◉ (act as upward button) to select ℃ or ℉ unit. Press button ☼ to confirm. ℃

9.5 Display Wheel Location Mode

1. Simultaneously press button ☼ and 🔧 for more than 2 seconds to enter **"Special Set Up Mode".**	**2.** Use button 🌡 (act as downward button) and button ◉ (act as upward button) to select" **Display Wheel Location"** setting. **Display Location** Press button ☼ to confirm.
3. The LCD Display will show： →01* 02* 03* 04*	**4.** Use button 🌡 (act as downward button) and button ◉ (act as upward button) to move →cursor to select the wheel location for display. Press button ☼ to cancel or set ∗ signal. →01* 02* 03 04

5. Press to confirm and return to **"Special Set Up Mode"**.

32P 32P

9.6 Exit Special Set Up Mode

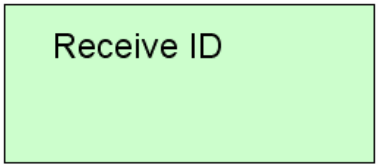
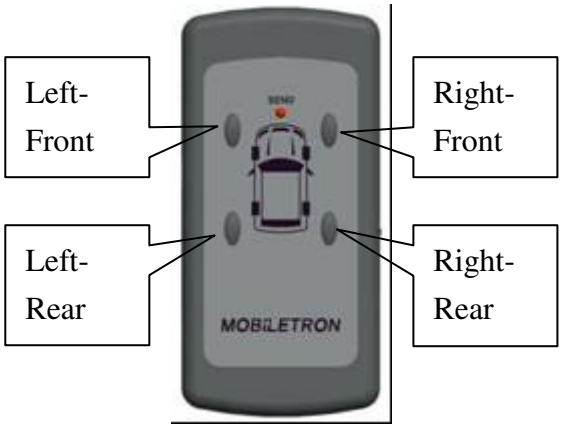
Press button again；LCD Display will return as initial display.

32P 32P
32P 32P

Note：Value shown is for reference only.

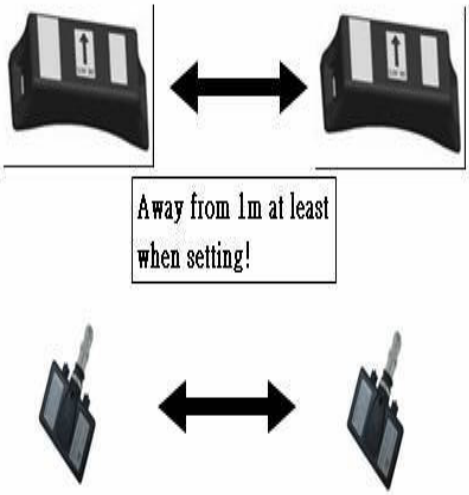
10. Receive ID Mode---LF setting for Clamp/Valve(with Antenna) Transmitter only

1. Put the 12DCV POWER CABLE to the Receiver.	
2. Tighten the Antenna.	
3. Check if the LCD of the Receiver shows "**??P**".	??P ??P ??P ??P

4. Simultaneously press button and for more than 2 seconds to enter **"Receive ID Mode".**	
5. Check if the LCD of the Receiver shows. "Receive ID".	
6. Turn on the LF.	
7. Select one of the tires you want to set up. **(The signal active distance of LF is 0.3m)**	

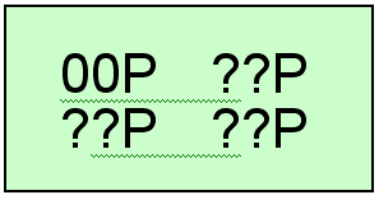
8. Put the LF near the transmitter at least 30mm.
9. We suggest that installing the tire after setting.
10. **※※IMPORTANT:When setting,please keep other transmitter away from the setting transmitter at least 1m**

NOTE: If you are not sure it receives the signal or not please do it again or refer to NO.9.2 "Manual input new transmitter ID code"



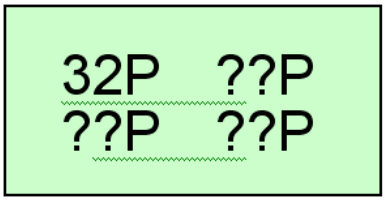
11. Push the Button And the "SEND" LED will flash.

12. Then the receiver will receive the signal and show "00P" (No pressure)

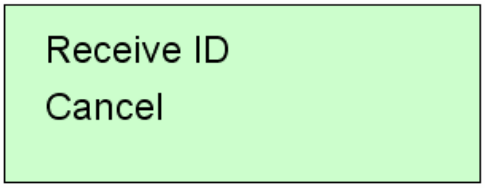


13f the transmitter is already in the tire ,you will see the tire pressure.

14.※※IMPORTANT:If you want to check the tire as usual ,you may push any button of LF and the receiver will show the pressure(The signal active distance of LF is 0.3m)



15 After setting, push button the LCD of the Receiver shows "Receive ID Cancel"



16 As the voltage is below 2.3V,pushing any button will make the “SEND” LED flash every 4secs.	

NOTE：The value above is for reference.

11. Limit Warranty

Mobiletron, hereby warrants that this Mobiletron wireless tire pressure monitoring system shall be free from material defects in workmanship and/or materials until the expiry of twelve months from its purchase by the end user, EXCEPT WHERE any such defect has been caused by: Improper or non-normal use, Improper installation, contacts with any corrosive or otherwise harmful substance, any other acts or omission not sanctioned by the User Manual.

- Mobiletron warrants the wireless tire pressure monitoring system product for twelve months from the end user purchase date under normal operation condition, which is free from manual improper operation, improper installation or any casualty.
- Mobiletron’s sole obligation shall be to repair or replace the defective product at no charge to the original owner.
- Mobiletron warns the user or driver of the driving safety by the limited warning signal range, and does not protect or take the responsibility of the user’s or driver’s safety directly.
- In no event will Mobiletron be liable for any direct, indirect, special, incidental or consequential damage, including loss of profit, loss of savings, or any other damages caused by product, or its documentation, or failure of the product to perform, even if Mobiletron has been advised of the possibility of such damages.

11.1 Warranty Service

(1) The above warranty will be honored by the retailer from which it was purchased, provided that the owner can provide dated proof of purchase.

(2) In the event that any defect in the unit is covered by the above warranty, Mobiletron will replace the affected components free of charge, shipping prepaid. The owner shall be responsible for any labor and installation costs

incurred in removing the defective parts and/or installing the replacement.

(3) The retailer shall at Mobiletron' cost send any unit which is defective as described in the above warranty to Mobiletron at No.39, Sec 3, Chung-Ching Rd., Ta-Ya, Taichung Hsien, Taiwan 428.

11.2 This Limited Warranty Provided by Mobiletron Does Not Cover

(1) Product that have been subjected to abuse, accident, alteration, modification, tampering, negligence, misuse, faulty installation, lack of reasonable care, improper transportation, repair or service in any way that is not authorized by Mobiletron.

(2) Any damage attributable to fire, flood, lightning strike or act of God.

(3) This limited warranty coverage will exclude the package material and user manual.

(4) The damage caused from benzene, alcohol or any corrosive cleaner.

(5) Any repair should implement in Mobiletron by returning from the Mobiletron authorized retailer. Any repair without authorization will be excluded from the warranty.

12. Things to Notice

Temperature Compensated Pressure Readings

(a) When a tire heats up, caused by long duration of driving or braking, the air pressure inside the tire can also be expected to increase, e.g. tire temperature increases 20℃ to 30℃ may lead to 3psi to 6psi pressure increment.

Never use chemical material to clean Digital Receiver.

Never take Digital Receiver apart for repair! Whenever there is problem, please contacts dealer for repair or replacement.

To avoid the dropping during drive, ensure Digital Receiver w/ Cooling Vent Holder is firmly adhered in car.

Check connections of DC Power Cable at both ends should no display on LCD panel.

After the vehicle starts to move, the tire pressure and temperature couldn't be received on the LCD display of the Digital Receiver, please confirm if the Antenna is loosed; then, please screw Antenna tightly to Digital Receiver.

Be sure to keep record of the Transmitter ID number for each of the corresponding four tires on the last page of the "16. Tire Rotation Table" (in this user manual). Because next time if the original Transmitter is replaced by a new one, inputting the original Transmitter ID number to the new one should be a must.

13. Technical Specifications

13.1 Receiver

(1) Operation Condition

Description	Value	Units
Operating Temperature	-20 ~ +70	℃
	-4 ~ +158	℉
Storage Temperature	-40 ~ +85	℃
	-40 ~ +185	℉
Operation Voltage	9 ~ 16	Vdc

(2) Radio Frequency Receiver

Description	Value	Units
Central Frequency	433.92	MHz

(3) Special Specification

Description	Value	Unit
Dimensions	101.2*86.5*36.5	mm
Weight	93	Gram

(4) Power Consumption

Description	Average	Maximum	Unit
Power Consumption	20	120	mA

13.2 Transmitter

●Cap Type

(1) Operation Condition

Description	Value	Accuracy	Units
Pressure Range	0 ~ 80	± 2	PSI
Rated Pressure	240	-	PSI
Operating Temperature	-40 ~ +85	± 3	℃
	-40 ~ +185	± 5	℉
Storage Temperature	-40 ~ +85	-	℃
	-40 ~ +185	-	℉
Operating Humidity	0 ~ 100	-	%

(2) Radio Frequency Transmitter

Description	Value	Units

Central Frequency	433.92	MHz

(3) Special Specification

Description	Value	Units
Dimensions	φ 24*30.73	mm
Weight	16	Gram

(4) Power

Description	Type	Value	Units
Power Source	Lithium Battery	3	Vdc
Battery Life	-	1.5years	-

●Valve Type

(1) Operation Condition

Description	Value	Accuracy	Units
Pressure Range	0 ~ 80	± 2	PSI
Rated Pressure	240	-	PSI
Operating Temperature	-40 ~ +125	± 3	℃
	-40 ~ +257	± 5	℉
Storage Temperature	-40 ~ +125	-	℃
	-40 ~ +257	-	℉
Operating Humidity	0 ~ 100	-	%

(2) Radio Frequency Transmitter

Description	Value	Units
Central Frequency	433.92	MHz

(3) Special Specification

Description	Value	Units
Dimensions	72.3*61.4*21.3	mm
Weight	41	Gram

(4) Power

Description	Type	Value	Units
Power Source	Lithium Battery	3	Vdc
Battery Life	-	7years or Over 2,000,00 km	-

●Valve Type with Antenna

(1) Operation Condition

Description	Value	Accuracy	Units
Pressure Range	0 ~ 80	± 2	PSI
Rated Pressure	240	-	PSI

Operating Temperature	-40 ~ +125	± 3	℃
	-40 ~ +257	± 5	℉
Operating Humidity	0 ~ 100	-	%

(2) Radio Frequency Transmitter

Description	Value	Units
Central Frequency	433.92	MHz

(3) Special Specification

Description	Value	Units
Dimensions	100.7*48.7*26.5	mm
Weight	49	Gram

(4) Power

Description	Type	Value	Units
Power Source	Lithium Battery	3	Vdc
Battery Life	-	7years or Over 2,000,00 km	-

●Clamp Type

(1) Operation Condition

Description	Value	Accuracy	Units
Pressure Range	0 ~ 80	± 2	PSI
Rated Pressure	240	-	PSI
Operating Temperature	-40 ~ +125	± 3	℃
	-40 ~ +257	± 5	℉
Storage Temperature	-40 ~ +125	-	℃
	-40 ~ +257	-	℉
Operating Humidity	0 ~ 100	-	%

(2) Radio Frequency Transmitter

Description	Value	Units
Central Frequency	433.92	MHz

(3) Special Specification

Description	Value	Units
Dimensions	87.6*32*22.3	mm
Weight	36	Gram

(4) Power

Description	Type	Value	Units
Power Source	Lithium Battery	3	Vdc

Battery Life	-	7years or Over 2,000,00 km	-

14. Manufacturer

Manufacturer: Moniletron Electronic ,Inc.	Telephone: +886-4-25683366
Address: No.39, Sec 3, Chung-Ching Rd., Ta-Ya, Taichung Hsien, Taiwan 428	Fax: +886-4-25673069
Web Site: http://www.more.com.tw	