MODEL / MODELO
TY-1001

TIRE PRESSURE MONITORING SYSTEM
SISTEMA DE MONITOREO DE PRESIÓN NEUMÁTICA

OWNERS MANUAL / MANUAL DEL USUARIO

Questions ?
Call customer service hotline
877-456-7901.

SAVE THIS OWNERS MANUAL AND READ BEFORE USE.
CONSERVE ESTE MANUAL DEL USUARIO Y LEALO ANTES DE USO.

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SAVE THESE INSTRUCTIONS

- Read manual before installing product.
- Save installation kit and store near unit.
- Check condition of tires regularly.
- If tires are removed for service, reinstall the sensors on the location marked on each sensor.
- This system monitors tire pressure and temperature, but does not prevent accidents.

CONTENTS

- Installation kit:
  - 5 Anti-Theft Washers (1 pc extra)
  - 2 Battery Sealing Replacements
  - 1 Sensor Cap Opener
  - 1 Wrench to Anti-Theft Washers
- 1 Display Unit.
- 4 Tire Pressure Sensors.

DIGITAL DISPLAY

1. Tire pressure/Temperature indicator
2. Pressure unit
3. Alarm indicator
4. Temperature unit
5. Control button
6. USB Outlet

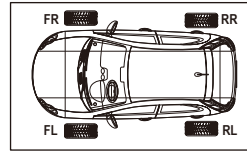
INSTALLING THE SENSORS

Note: The sensors have been pre-assigned to corresponding tires.
- Sensor FL means for "Front Left Tire"
- Sensor FR means for "Front Right Tire"
- Sensor RL means for "Rear Left Tire"
- Sensor RR means for "Rear Right Tire"

Before installation, plug the display into the car's 12V socket and start the engine. Next, install sensors to corresponding tires. The display will show tire pressure and temperature. If you install sensors before the display powers on, the display will show “00” or “---”. This is normal; please follow step 4 to test.

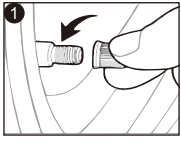
1. **Plug the display into the car's 12V socket and start the engine.**

2. **Install sensors in correct position, as shown.**

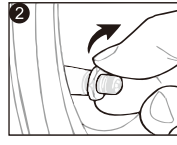


3. **Sensor installation process.**

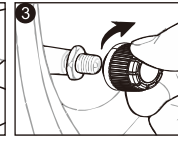
1.Remove the valve cap.



2.Put on the hex nut.

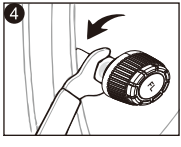


3.Screw on the sensor for the corresponding tire.

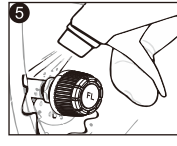


FL

4.Using the wrench, tighten the hex nut. Do not over-tighten.



5.Spray with soapy water, to check for leakage.



4. **Driving test to refresh the display.**

   After the sensors are installed and setup is complete, drive the vehicle at a speed of at least 20 mph. This will automatically refresh the display.

SETUP THE DISPLAY

Plug the display into the car's 12V socket and start the engine.
NOTE: The sensors have been pre-programmed with values appropriate for most vehicles.

- **Switch Between Tire Pressure or Temperature On Display**
  1. Default setting shows tire pressure.
  2. Press control button rapidly to switch between tire pressure or temperature on display.

- **PSI/Bar Pressure Unit Setting**
  1. Switch to show tire pressure on display.
  2. Default unit for tire pressure is PSI.
  3. Press control button rapidly for three times, the unit will change to Bar.
  4. Press another three times rapidly, the unit will return to PSI.

- **Temperature Unit Setting**
  1. Default unit for tire temperarure is ℉.
  2. Press control button rapidly for three times, the unit will change to ℃.
  3. Press another three times rapidly, the unit will return to ℉.

- **High/Low Pressure value Setting**

Low pressure

1. Switch to show tire pressure on display.
2. Press and hold control button for five seconds, the unit in upper left flashes represents low pressure value and now is ready for being adjusted.
3. Press control button rapidly to adjust the value.

High pressure

1. Press control button for another three times, the unit in upper right flashes represents high pressure value and now is ready for being adjusted.
2. Press control button rapidly to adjust the value.
3. Press control button for another three times to memorize setting and return to standby mode.

WARNINGS AND ALARMS

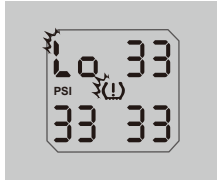
- **High pressure warning**
  When tire pressure exceeds the default high value (46 PSI).
  Alarm beeps, corresponding unit and indicator flashes.

- **Low pressure warning**
  When tire pressure falls below default low value (26 PSI).
  Alarm beeps, corresponding unit and indicator flashes.

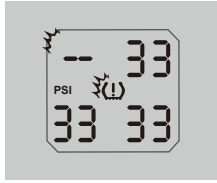
- **Tire leaking warning**
  When tire pressure drops suddenly.
  Rapid alarm beeps, corresponding unit and indicator flashes.

- **Tire overheating warning**
  When tire temperature exceeds 158˚ F.
  Alarm beeps, corresponding unit and indicator flashes.

- **Low battery warning**
  When a sensor battery is low, corresponding unit will show "Lo" and flashes, indicator will flash as well.
  Please replace the battery as soon as possible.



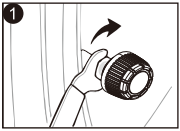
- **No sensor signal**
  If battery of sensor is running out or sensor is damaged.
  Corresponding unit will show "--" on the display.



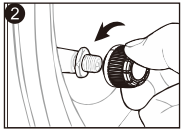
Note: Press control button to cancel alarm beeps, but alarm indicator and corresponding unit will flash still.

REPLACING THE BATTERIES

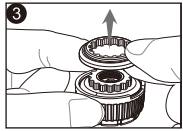
1. Release Anti-Theft Washer by using the wrench (Included).



2. Unscrew the tire pressure sensor.

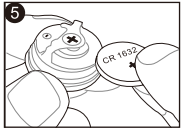


3. With fingernail or a thin screwdriver, remove tamper lock gasket.

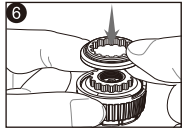


4. Place the tire pressure sensor into sensor cap opener. Rotate to open sensor.

5. Slide a CR1632 battery into position.



6. Close the sensor. Press the tamper lock gasket back into place.



SPECIFICATIONS

	DISPLAY UNIT
Operating frequency	FSK 433.92 mHz ± 30 kHz
Operating voltage	2.2-3.0 V
Operating current (USB no load)	50-70 mA
Operating temperature	-4˚- +176˚ F
USB output voltage	5V
USB output current	2.1A

	TIRE PRESSURE SENSOR
Operating frequency	FSK 433.92 mHz ± 30 kHz
Operating voltage	2.2 - 3.0 V
Operating current	≤ mA
Operating temperature	-13˚- +185˚ F
Reading accuracy	± 1.5 psi
Battery life	≥ 1 year

FCC INFORMATION

This product is FCC certified. FCC ID: 2APJX-TY1001.
WARNING: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B Digital Device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1) This equipment may not cause harmful interference.
2) This equipment must accept any interference received, including interference that may cause undesired operation.

Modifications not authorized by the manufacturer may void the user's authority to operate this device. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.