## 2 Warning mode

Alerts and Warnings	Threshold and conditions
Low pressure Alert	Lower than 18 PSI or sudden pressure drop
Low pressure warning	When tire pressure falls below 20% or 25% of recommended tire pressure.The percentage can be preset in **MENU2**.
High pressure Alert	Tire pressure is higher than 49 PSI (2 bar)
High temperature Alert	When the tire temperature is higher than 80 ℃ (176 ℉)
Battery low warning	The battery of tire sensor is discharged
Broken sensor warning	No transmission from the sensor

Under alert and warning mode, the red alarm backlight warning and alert icons and the audible alarm turn on and off continuously. Also, the warning and alert icons and tire location and the elapsed time information are displayed in sequence.
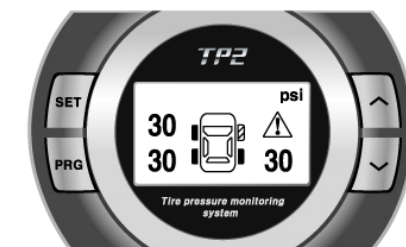The icons and displays are as bellows;
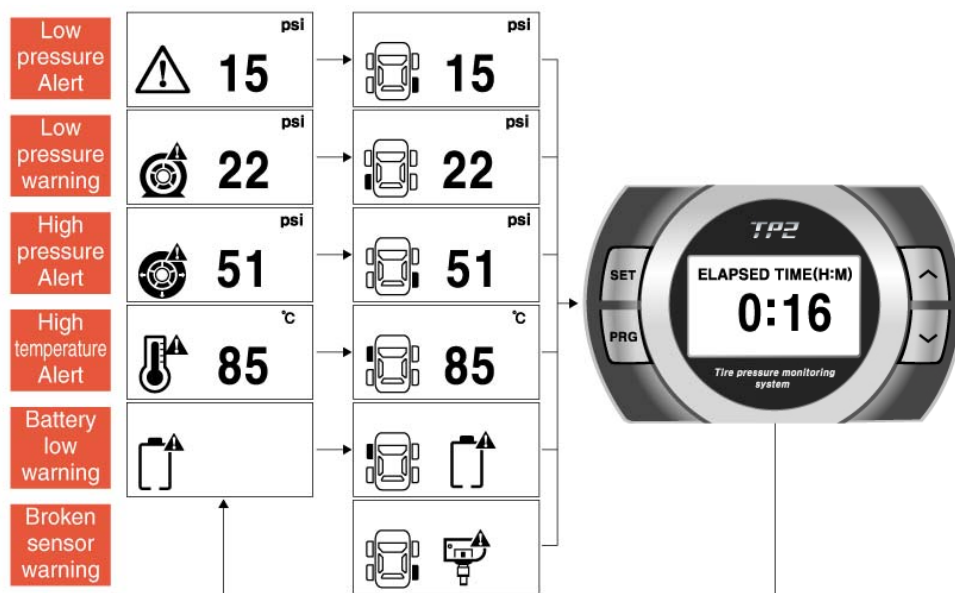
Press any button to acknowledge and stop the flashing and alarm.
Press any button once to stop the audible alarm and press any button again to revert to a normal run mode. But the alert icons and alarm red backlight on LCD screen remains on and the display reverts to a normal run mode.
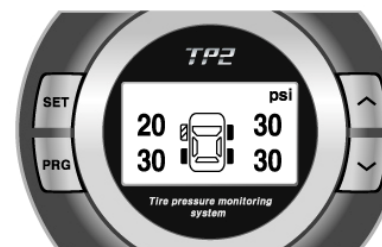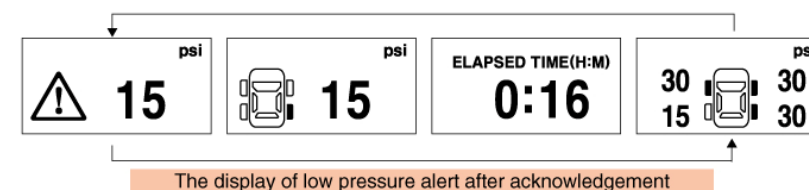

Reverted display from low pressure warning   Reverted display from broken sensor warning

* NOTE : Under low pressure alert mode, the visible and audible alarms remain after pressing twice but display of run mode is added in sequence of alert display.

The display of low pressure alert after acknowledgement

When the alert occurs, reduce speed and proceed to a safe location to check tires.
The warnings and alerts is cancelled when the tire are properly re-inflated to correct level.
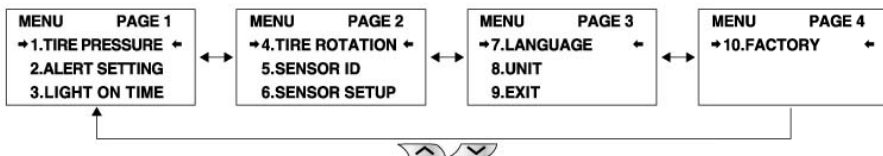
* NOTE : The elapsed time of warning can provide a guide of limited mileage for RUN-Flat tire and PAX tire after puncture.

3 Program mode

RUN MODE   Program mode
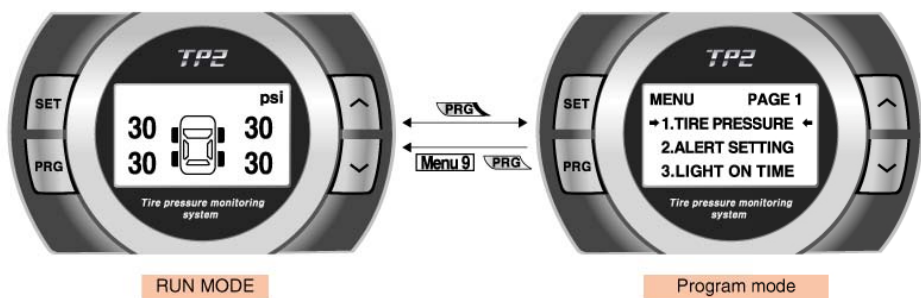
Press the **PRG** button over 2 seconds to move to program mode.
Press the **PRG** button over 2 seconds to revert to RUN mode or select **MENU9** EXIT using **PRG** button.

MENU PAGE 1	MENU PAGE 2	MENU PAGE 3	MENU PAGE 4
➡1.TIRE PRESSURE ←	➡4.TIRE ROTATION ←	➡7.LANGUAGE ←	➡10.FACTORY ←
2.ALERT SETTING	5.SENSOR ID	8.UNIT	
3.LIGHT ON TIME	6.SENSOR SETUP	9.EXIT	

* NOTE : How to use function keys;

1) **PRG** button: enter key

2) **SET** button: secondary selection key: use in **MENU1** tire pressure to select the axle and **MENU4** tire rotation to select tire position and **MENU8** unit to shift.

3) **∧ / ∨** button: shift and scroll

MENU1. Recommended tire pressure in clod

● Programming steps

PRG   1. To enter, press PRG button

∧ / ∨   2. Input the recommended pressure using ∧/∨ button for front axle.

PRG   3. Press PRG button to return.

SET   4. The front axle pressure is copied to real axle automatically but press SET button to input the real tires pressure differently, if required.

* Caution : Locate the recommended tire pressure on the vehicle's tire information placard, certification label, or in the owner's manual.

* Caution : The cold pressure is the air pressure inside the tire inflated at the ambient temperature before driving a vehicle.

* NOTE : Factory default = 30 PSI (2.1 bar)

MENU2. Alert setting

☞ Set the low pressure warning threshold.

● Programming steps

PRG   1. To enter, press PRG button

∧ / ∨   2. Select under-pressure value 20% or 25% using ∧/∨ button

PRG   3. Press PRG button to save the threshold value

          4. The monitor displays the threshold of low pressure warning shortly and return to menu

* NOTE : 20% warning threshold : recommended by tire manufacturers
          25% warning threshold: recommended by NHTSA in USA

The example : calculation of threshold

Recommended tire pressure = 30 PSI, Under-pressure value = 20 %

$30 - (30 \times 20/100) = 24$ PSI.

MENU3. LIGHT ON TIME

☞ The monitor has an energy saving feature that turns light on/off to selected time only and it turns light on automatically when required to display alert or program the unit

MENU3. LIGHT ON TIME

10s → 20s → Always

● Programming steps

PRG　　1. To enter, press PRG button

∧ / ∨　　2. Select the light on time using ∧/∨ button

PRG　　3. Press PRG button to return.

NOTE : Factory default = 10 sec.

MENU4. TIRE ROTATION

☞ Used for tire rotation and replacement of located tire to spare tire

MENU4. TIRE ROTATION — Spare

MENU4. TIRE ROTATION — Rotation

● Programming steps

PRG　　1. To enter, press PRG button

2. Without spare tire sensor, it goes to Rotation mode first

3. When a spare tire sensor is registered, you should select rotation or replacement first.

∧ / ∨　　4. Select Spare or Rotation cursor using ∧/∨ button.

5. See the **MENU4.1** Rotation for tire rotation

6. See the **MENU4.2** Spare for replacement of located tire to spare tire

---

※ The icon and tire location with color code.

ICON	Tire Location	NO.	Color code
1R	LEFT FRONT	1	RED
2Y	RIGHT FRONT	2	YELLOW
3G	RIGHT REAR	3	GREEN
4B	LEFT REAR	4	BLUE
5W	SPARE TIRE	5	WHITE

MENU4.1. Tire Rotation (without spare tire sensor)
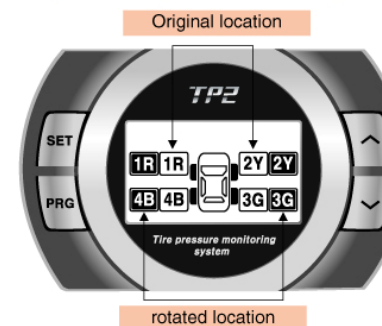
Original location

rotated location

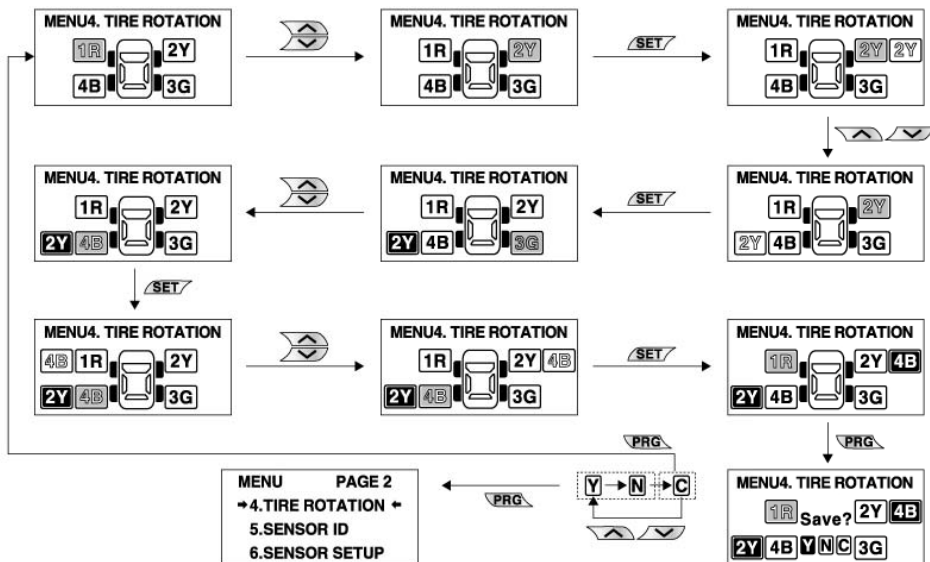● Programming steps

PRG　　1. To enter, press PRG button

∧ / ∨　　2. Press ∧/∨ button to scroll through a tire positions

SET　　3. Press SET button to select it for editing (1R)

∧ / ∨　　4. Locate the editing tire to rotated position using ∧/∨ button

SET　　5. Press SET button to set it as rotated tire (1R)

PRG　　6. Press PRG button to enter it

∧ / ∨　　7. Select Y to save and return to menu or select N or C using ∧/∨ button to cancel the editing and press PRG button to enter it

NOTE : Y . N . C icons

☐ Y for Yes : save it and return to menu

☐ N for No : do not save it and return to menu

☐ C for Cancel : Cancel the editing and program it again.
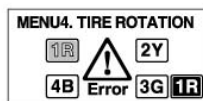
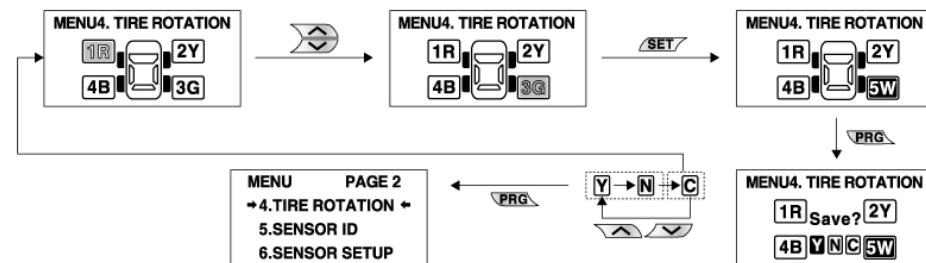## Easy guide of tire rotation

To rotate Front Right tire to Real Left

* NOTE : Press **PRG** button to cancel the editing or select Ⓝ or Ⓒ icons

* NOTE : Error message ;

   If press the save button before completion of editing, the error message is displayed. Press **PRG** button or Ⓒ to return from error

---

● Programming steps

PRG　　8. To enter, select ⟨Spare⟩ cursor using PRG button

⋀ / ⋁　　9. Press ∧/∨ button to scroll through a tire position (3G)

SET　　10. Press SET button to select it for replacement (5W)

PRG　　11. Press PRG button to enter it

⋀ / ⋁　　12. Select Y to save and return to menu or select Ⓝ or Ⓒ using ∧/∨ button to cancel the editing and press PRG button to enter it

* NOTE : Once the 5W spare tire replaced, the punctured tire sensor (3G) becomes spare tire sensor automatically.
* NOTE : To delete the punctured tire sensor (3G), go to **MENU6.2** spare tire mode and select ⟨OFF⟩ cursor.
* NOTE : When select ⟨Rotation⟩ cursor to enter the tire rotation, the programming steps is same as **MENU4.1** tire rotation.

MENU5. SENSOR ID

☞ All TP2 sensors have unique identification number and the sensor ID is saved in monitor at the factory.
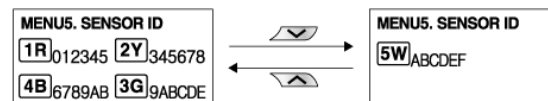
To see each sensor ID, press **PRG** button.

Press ⋀ / ⋁ button to see the ID of spare tire sensor after registration.

* NOTE: The display of sensor ID will provide the correct information for registration and initiation of sensor.
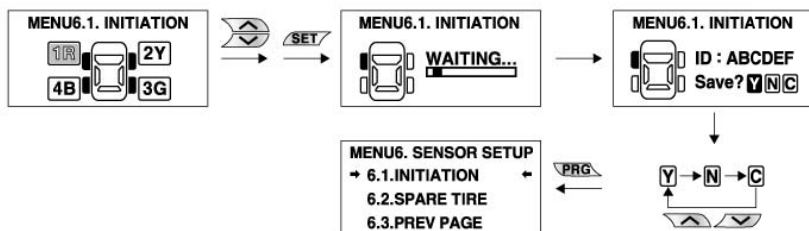
MENU6. SENSOR SETUP

This mode is used to replace the broken sensor and register new sensor.

MENU6.1. INITIATION

This mode is used to replace and register the new sensor.

● Programming steps

PRG   1. To enter **MENU6.1**, press PRG button

∧ / ∨   2. Press ∧/∨ button to scroll through a tire location

SET   3. Press SET button to select it for initiation

   4. Inflate the tire with new sensor to wake up and transmit data

   5. Wait to receive the transmission of new sensor ID. (waiting mode)

   6. Confirm the new sensor ID in display

∧ / ∨   7. Select Y to save and return to menu or select N or C using ∧/∨ button to cancel the editing and press PRG button to enter it

* NOTE : To stop the programming and return to menu, press PRG button during waiting mode
* NOTE : To make the transmission of sensor, inflate the tire pressure after mounting new sensor or deflate the tire pressure below 18 PSI.
* NOTE: Error message ;
     If press the save icon Y for overwriting or duplication of registered sensor, the error message is displayed. Press PRG button to return from error

MENU6.2. SPARE TIRE

☞ this mode is used to register or delete the spare tire sensor

MENU6.1. INITIATION

● Programming steps

PRG   1. To enter **MENU6.2.** press PRG button

∧ / ∨   2. Press ∧/∨ button to scroll through on/off cursor

   3. Select ON cursor to register new tire sensor to spare tire location

   4. Inflate the tire with new sensor to wake up and transmit data

   5. Wait to receive the transmission of new sensor ID. (waiting mode)

   6. Confirm the new sensor ID in display

∧ / ∨   7. Select Y to save and return to menu or select N or C using ∧/∨ button to cancel the editing and press PRG button to enter it.

* NOTE : the information of cursor

   OFF : no spare tire sensor registered, or delete the registered sensor

   ON : spare tire sensor registered already or register new spare tire sensor
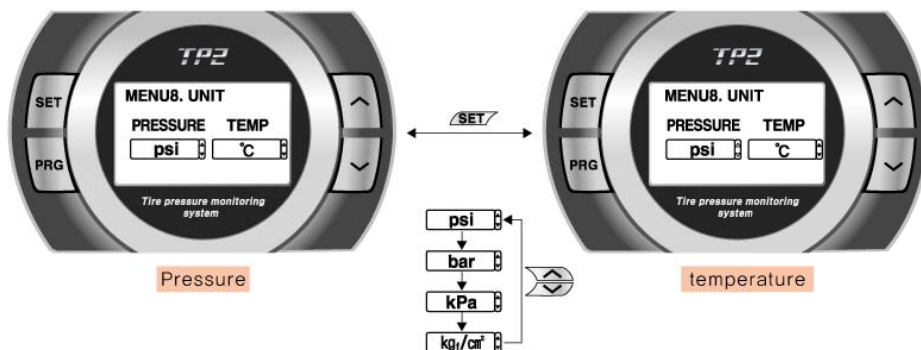
   BACK : return to menu

MENU7. LANGUAGE
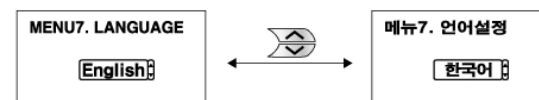
● Programming steps

PRG   1. To enter **MENU7**, press PRG button

∧ / ∨   2. Press ∧/∨ button to scroll to language cursor

PRG   3. Press PRG button to return.

MENU8. UNIT

☞ Use this mode to select unit of pressure and temperature.

Pressure   temperature

Pressure unit cycle: psi → bar → kPa → kgf/cm²

● Programming steps

PRG   1. To enter **MENU8**, press PRG button

∧ / ∨   2. Press ∧/∨ button to scroll through unit cursor of pressure

SET   3. Press SET button to shift to unit of temperature

∧ / ∨   4. Press ∧/∨ button to scroll through unit cursor of temperature

PRG   5. Press PRG button to save and return to menu.

* NOTE : The pressure unit cursor : PSI, bar, KPA, Kg/cm²

        The temperature unit cursor : C° , F°

* unit conversion : 1psi=0.06895 bar= 6.895 kPa = 0.0703kgf/cm²

* unit conversion : ℃=1.8×(℉-32)

MENU9. EXIT

☞ Use this mode to go to run mode

MENU10. FACTORY

☞ This mode is for factory use only.

⚫ Trouble shooting

Symptom	Solution
No display on LCD	Check the power connection. Plug in the power adaptor tightly to confirm the contact. Check the fuse in a flexible power adaptor.
Display is not clear	You cannot see the display clearly exposed to the sun. Place the monitor in location not exposed to the sun and check it. When it is too hot or cold over operating temperature range of monitor, the graphic display is not clear. Turn on air-condition or heater on vehicle.
No tire pressure is displayed.	The tire sensor will transmit the data from acceleration over 10km continuously.
The vehicle icon does not move	Press SET button for 2 seconds. You can hear a beep to indicate the vehicle icon will move. To stop the moving vehicle icon, press SET button again.

◯ Additional information

MIC인증획득

MIC registered NO TP2-RV1

Trademarks

TP2 is a trademark of SEETRON Inc.

US patent NO. 6,945,103

Korean patent NO. 0497112

Quick location tips of tire sensor

Four tire sensors (red, yellow, green, and blue) have preset location and mount the tire sensor according to color.

Remember the color location that follows the color sequence of rainbow in clockwise.

NOTE : The spare tire sensor has white code.

3. green :
Real Right

2. yellow :
Front Right

4. blue :
Real Front

1. red :
Front Left (driver)