

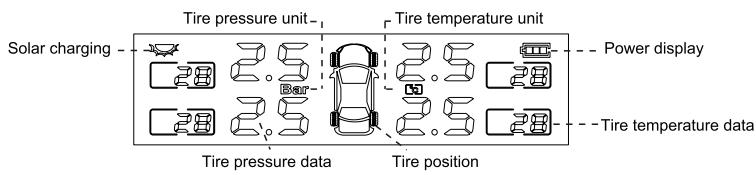
TPMS

- Press and hold the left button "◀" for three seconds to turn on/off
- The monitor can automatically power off/on
- When the data is abnormal, the device will update the data in real time

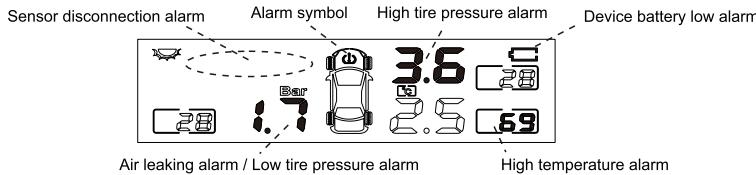
1. Device Function

- (1) Real-time monitoring of tire pressure & temperature
- (2) Supports solar charging and USB charging
- (3) Numbers for tire pressure/temperature alarm can be set
- (4) Air leakage alarm, high/low pressure alarm, high temperature alarm
- (5) Changeable tire position

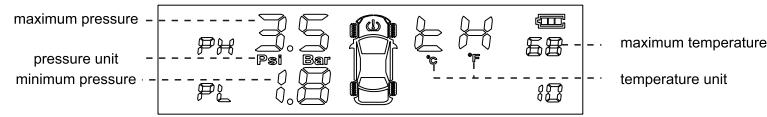
2. Schematic



3. Screen alarm analysis diagram



4. Display parameter setting

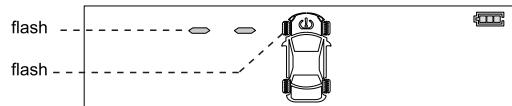


Enter the setting mode: long press the "M" button for 3 seconds, the buzzer "Bi" sounds to enter the setting mode, and short press the "M" button to select the setting equipment parameters, including the pressure unit (Bar/Psi)/temperature unit (°C/°F)/maximum pressure/minimum pressure/maximum temperature, adjust the parameters by short pressing "◀" or "▶", and then long press "M" for 3 seconds to save and exit.

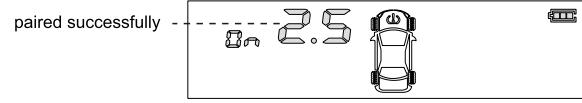
- (1) Pressure unit setting: when "bar"/"psi" flashes, press "◀" or "▶" to select the pressure unit, long press the "M" key to save setting. (The factory default is "bar")
- (2) Temperature unit setting: When "°C" or "°F" flashes, press "◀" or "▶" to select the temperature unit, and long press the "M" key to save the setting. (factory default is °C)
- (3) Maximum pressure setting: In the "PH" setting state, the maximum pressure value flashes, press "◀" or "▶" to adjust the pressure value, and long press the "M" key to save the setting. (Adjustable range: 0.6-6.0bar, factory default setting is 3.5bar)
- (4) Minimum pressure setting: In the "PL" setting state, the minimum pressure value flashes, press "◀" or "▶" to adjust the pressure value, and long press the "M" key to save the setting. (Adjustable range: 0.5-5.9bar, factory default setting is 1.8bar)
- (5) The best temperature setting: in the "TH" setting state, the maximum temperature value flashes, press "◀" or "▶" to adjust the temperature value, and long press the "M" key to save the setting. (Adjustable range: 50°C-90°Cbar, factory default setting is 68°C)

5. Display and sensor pairing

(1) Enter the pairing mode: Press the "▶" button 8 times continuously, the buzzer "Bi" will enter the pairing mode, the left front wheel flashes, and the display interface is as shown below.



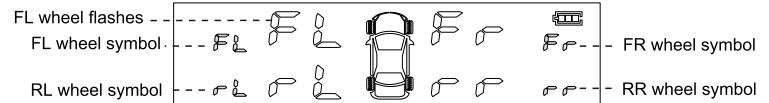
(2) Pairing: After entering the pairing mode, short press "▶" to select the tire to be paired. At this time, inflate the tire or screw the sensor to the air nozzle. After the display receives the signal, "--" will become data, indicating the tire. The pairing is successful, press "▶" to select the next tire to be paired, and after all are paired, long press the "M" button to save the settings.



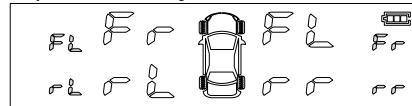
Note: long press the "◀" key can not save the settings

6. Swap sensor positions

(1) Enter the sensor position exchange mode: press the "M" key 10 times continuously, the buzzer "Bi" will enter the tire exchange mode, and will "FL" flash, as shown in the figure below.



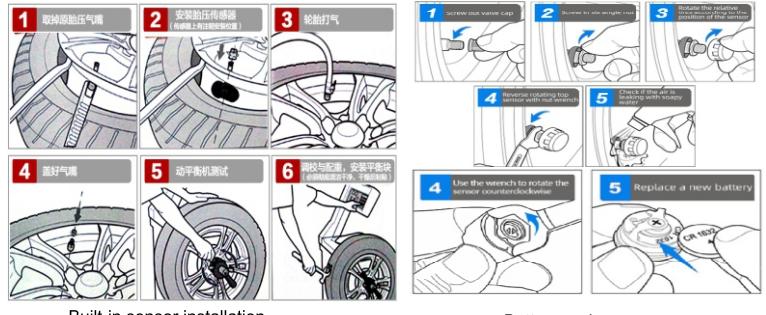
(2) Setting operation: After entering the setting page, short press "M" to select the first sensor to be exchanged; after the selection is successful, its symbol will flash, then press the "▶" key to adjust the second sensor to be exchanged, and then Press the "M" key to confirm the swap, and finally press and hold the "M" key to save the settings.



7. Equipment parameters

project	part	External sensor	Internal sensor	Display
Working frequency				433.9200MHz ± 0.1Mhz
Operating Voltage		3V	3V	3.7V
Working current		Static≤1uA	Static≤1uA	Static≤50uA
		≤15mA	≤15mA	≤5mA
surroundings temperature		-20°C ~ +80°C	-40°C ~ +120°C	-40°C ~ +70°C
Monitoring range	temperature			-40°C ~ +120°C
	pressure			0 - 5Bar
Precision	temperature			±2°C
	pressure			± 0.1 Bar

8. Sensor installation



FCC Warning

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: 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 the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.