KUENDER

Remote controller

KD-TPMS-C02

User's Guide

Version 4.1c

Content

1. Warning

FCC warning

The system is in compliance with U.S. FCC regulation term 15th requirements. However, users are advised to aware the following matters: (1) The system may be not work due to surrounding interferences. (2) The system may be failed due to incorrect operation.

Warning: Any changes or modifications are not expressly approved by the manufacturer could void the user's authority to operate the equipment.

Function of the warning system

- Pressure Low warning: (when tire pressure lower than warning value (default= 23 psi))
- Pressure High warning: (when tire pressure higher than warning value (default= 45 psi))
- Battery operation voltage low warning: (when battery operation voltage is in low level)
- Temperature abnormal warning: (when tire temperature higher than warning value (default= 185°F))

Warnings in using the device:

- In order to operate the system in normal condition, do not dismantle any element or outer shell of the system.
- The front shield glass should avoid from using metallic heat insulation film.

2. Specification

Spec. of remote controller:

System power	CR-2032 (3V)
Working temp.	14℉~ 167℉
Storage temp.	-4℉~185℉
Working frequency	433.92MHz
Modulation method	FSK
Life cycle	> 1 year

3. Contents list

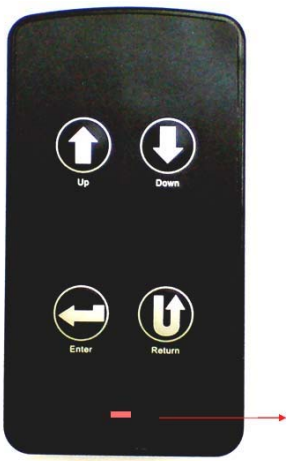
The contents of the wireless pressure monitoring system include:

NO.	Items	Q'ty
1	Remote controller (option):	1

Remote controller

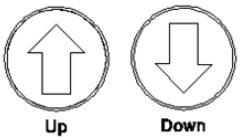
4. Description of the interface of remote controller and operating function settings (option):

The interface of remote controller:

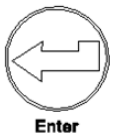


Push button indicator

Battery cover



Direction key/ numerical +/-key



Function confirmation key

Function exiting key

The settings of operating function:

The remote controller is incorporated with KD-TPMS-T04R05. It is necessary to enter into receiver **setting mode** before setting the remote controller functions which is shown as follows:

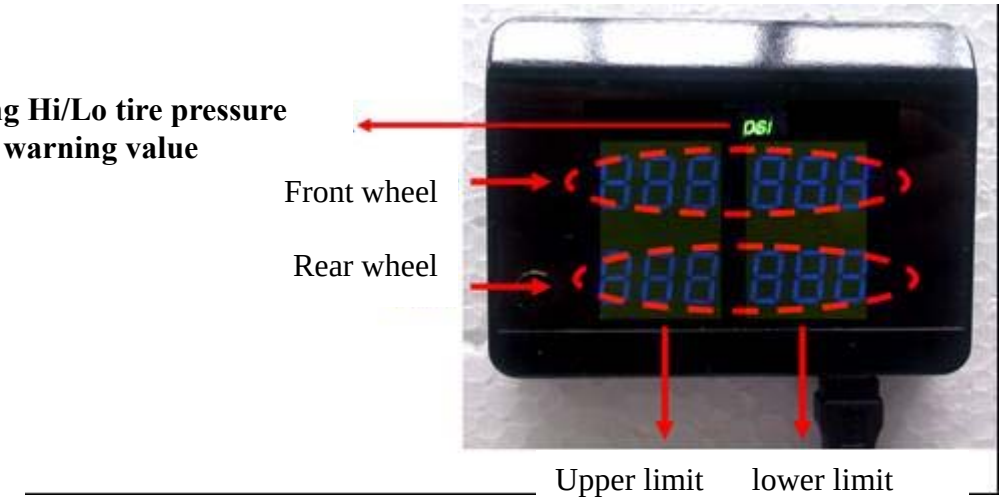
1. **Turn on remote controller:** Insert ID card into the remote controller (any one of the 4 colors cards) as shown below:
2. Press the “Enter” key of the remote controller several times within 10sec. after turn on the receiver and wait until **ID, ℉、psi** indicators all light up and enter

into the setting mode as shown below for menu selecting:

ID card insert remote controller

Product KD-TPMS-T04R05

A. The setting of pressure warning value



Tire pressure setting menu: select P and press **Enter** to show up the upper/ lower limit value of the front/ rear tires. In which, the upper value of the front wheel will be flashed first for setting. Press **Enter** to confirm and jump to the lower value of the front

wheel in flashing for setting. The sequence of flashing and setting is: upper limit/ front wheel → lower limit/ front wheel → upper limit/ rear wheel → lower limit/ rear wheel. Press **Return** key to finish setting mode and the setting is finished after re-start.

Initial value: upper limit at 45 psi, lower limit at 23 psi.

B. The setting of temperature warning value

Setting upper limit temp. warning value

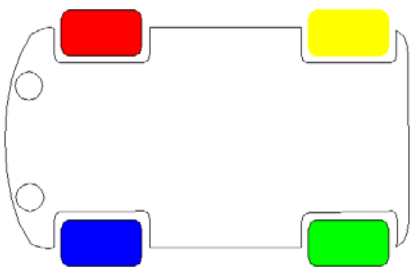
In setting mode, press ↑ to select ℉ and enter into the temperature setting of upper limit (with ℉ indicator lighted). To use direction key (↑↓) on the remote controller to adjust the temperature value as required, then press **Enter** to complete and go back to the menu. Press **Return** to exit setting mode and the device will be had sat after restarting.

Initial value: upper value at **185**℉

C. The exchange of tire location

In setting mode, press ↑ key to select ID, then press **Enter** to go into ID setting mode with left upper wheel displayed in "---". Select the tire location to be exchanged, insert the ID card and press **Enter** to complete the setting with SET displayed on the screen and "b" twice. Press **Return** to go back to the setting menu. Press Return again to exit. Re-start the device to complete.

Four colors ID cards in red, yellow, green and blue represent the right front, right rear, left rear and left front wheel location respectively and correspond to the color label on the sensor as follows:



Example of operating

The setting process of exchanging left rear wheel to the left front:

1. Enter into setting mode
2. Select ID in menu as shown in figure:

3. Press **Enter** to go into the ID setting mode. The left front wheel will display "---" as shown below:

4. Insert the ID card of the left rear wheel into the remote controller, then press **Enter** to complete with "SET" displayed and "b" twice, then go back to "---" in 2 seconds. as shown below:

5. Press **Return** and go back to the setting menu as shown below:

6. Press again the **Return** key and exit the setting mode, re-start up the device to complete the tire exchanging.

7. The process of exchanging other wheels is the same as above from step1~step 6.

***Users are advised to keep ID card safely and securely. In case of missing, please inquire from the manufacturer (by providing the sensor serial no.).

***Users without remote controller should bring ID card to the original installation factory if changing tire location is required.

Appendix

Unit :

1 psi = 6.895 kpa

1 kpa=0.145 psi

℃ = (ºF -32)*5/9

Normal range of tire pressure:

The slight variation of tire pressure resulted from some external factors during the driving is normal. Generally speaking, variation scope shall be within 3 ~ 2 psi according to standard tire pressure of 32 psi. Hence, variation of 29 psi ~ 35 psi is normal during the driving.

The replacement of sensor:

The battery life of the sensor is at least 3 years in normal operating condition. The warranty of the sensor is one year.

Knowledge of using tires:

It is important to keep the correct tire pressure all the time that the life cycle can be extended and the accident can be avoided. Besides, never flat the tire when tire is hot. Don't use recycled tires or never to use the different model of tires on the same axle. Keep in mind these important rules would guarantee the safety of tires and vehicles.