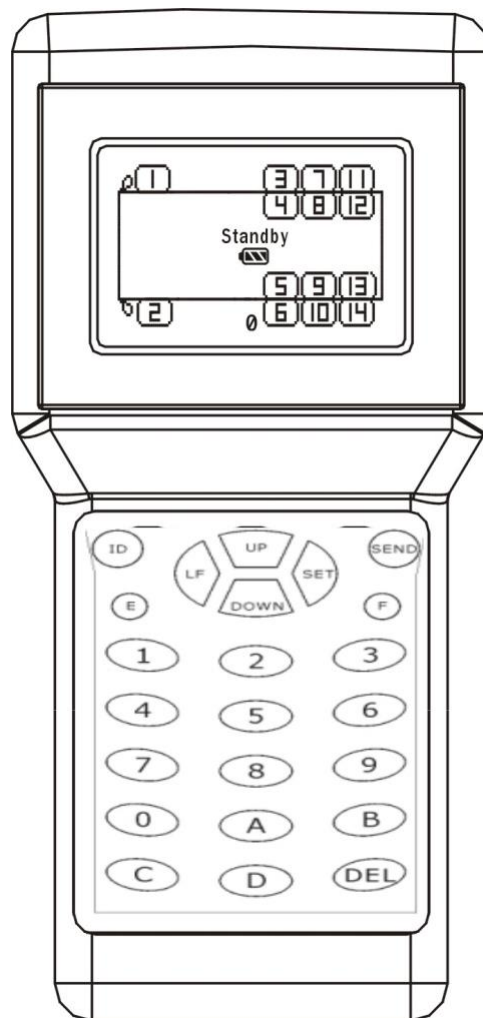


TPMS Hand-held Reader

Users' Manual



Thank you for purchasing this TPMS hand-held reader, this is a assistant for technicians to code sensors when the monitor is not around, and send the coded sensors information to TPMS monitor and repeater. With this TPMS hand-held reader, it will let your trucks have more time on the road everyday. With minimal care and proper treatment, it will provide years of reliable service.

Hand-held Reader Features:

Read sensors' IDs, pressure, temperature easily

Store sensors' location and IDs

Preset high pressure, low pressure and high temperature for tractor and each trailer

Send all data to TPMS monitor and repeater one time

Can store 4 trailers' data

Can code up to 24 tires in each trailer

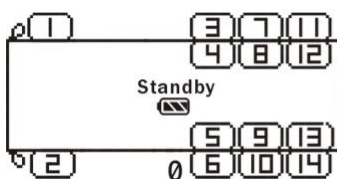
Hand-held Reader Turn On / Off:

Turn on: Press any button to turn on the display

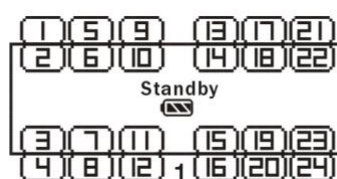
Turn off: In standby mode, it will turn off automatically after 3 minutes.

Vehicle Diagram Display

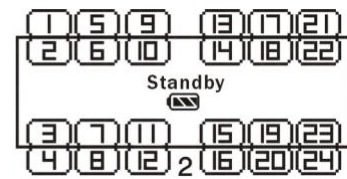
In standby mode, LCD will display as the pictures below. It will only display "car diagram" if you select "passenger vehicle" in the vehicle type selection. While LCD will cycle to display the diagram of tractor, trailer 1, trailer 2, trailer 3, trailer 4 by pressing the "SET" button if you select "Heavy Vehicle" in the vehicle type selection.



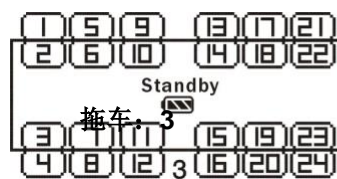
Tractor



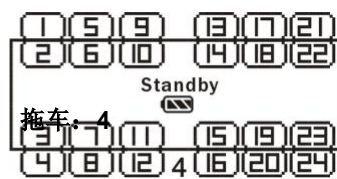
Trailer 1



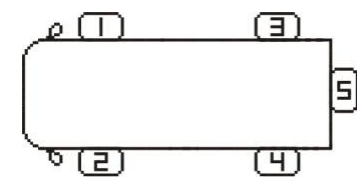
Trailer 2



Trailer 3



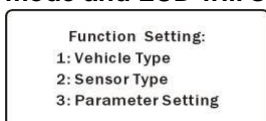
Trailer 4



Car Diagram

I . Function Setting

In standby mode, press and hold "SET" button until a "be" sound, it will enter function setting mode and LCD will show as the screen below.



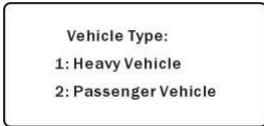
Press "SEND" button will enter the setting of the flashing option, while press "DOWN" / "UP" or corresponding number (1, 2, 3) button will change to other options, then Press "SEND" again will confirm

the selecting. During this mode, press "SET" will exit without store any setting, while press and hold "SET" until it beeps, it can store the settings and exit to standby screen.

1. Vehicle Type Selection

You will see the screen as below after entering the setting of "Vehicle Type", press "DOWN" / "UP" or corresponding number (1, 2) button will select the vehicle type. Press "SEND" again will confirm the selecting and exit to last menu. Press "SET" button will exit the vehicle type setting without store. Press

and hold SET until it beeps, it can store the settings and exit to standby screen.



2. Sensor Type Selection

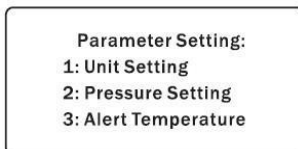
You will see the screen as below after entering the setting of "Sensor Type", press "DOWN" / "UP" or corresponding number (1, 2) button will select the sensor type. Press "SEND" again will confirm the selecting. Press "SET" button will exit the vehicle type setting without store. Press and hold SET until it beeps, it can store the settings and exit to standby screen.



3. Parameter Setting:

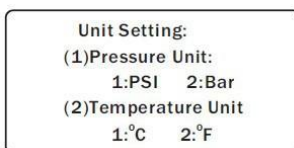
In this mode, you can set the pressure and temperature unit, trailer ID, pressure limits for each axle on the tractor and all wheels on the trailer, and temperature limits for all wheels on both trailers and tractor.

3-1) You will see the screen as below after entering the setting of "Parameter Setting" if you selected "passenger car" in previous setting. Press "SEND" button will enter the setting of the flashing option. Press "DOWN" / "UP" or corresponding number (1, 2, 3) button will change to other options.



4. Unit Setting

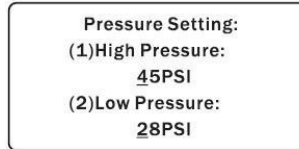
Press "DOWN" / "UP" or corresponding number (1,2) button, you can set the pressure unit, press "SEND" will confirm the selection and change to temperature unit setting.



5. High / Low Pressure Setting

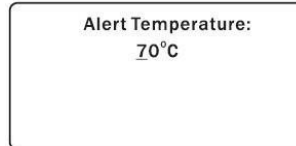
You can input the pressure limits directly by pressing number buttons. Press "DOWN" or "UP" can change to next parameter setting. Press "SEND" will confirm

and change to Alert Temperature.



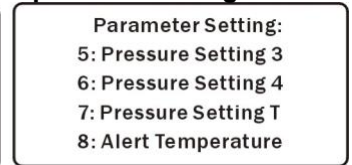
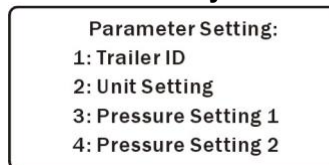
6. Alert Temperature Setting

You can input the temperature alert directly by pressing number buttons. Press "DOWN" or "UP" can change to next parameter setting. Press "SEND" will confirm and exit.



Remarks: After all the parameters are set, remember to press and hold SET for 3 seconds to save.

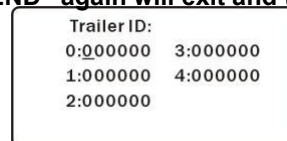
3-2) LCD will show the following screen if you selected "Heavy Vehicle" in previous setting.



Press "DOWN" / "UP" or corresponding number (1,2,3,4,5,6,7,8) buttons will enter corresponding parameter setting.

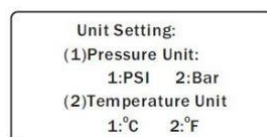
Trailer ID:

You can input the ID code for tractor, trailer 1, trailer 2, trailer 3, trailer 4 by pressing number buttons directly. Press "SEND" will confirm and exit to next setting. Press "DOWN" or "UP", it will scroll from tractor, trailer 1, trailer 2, trailer3, trailer 4. Press "SEND" again will exit and turn to next setting.



Unit Setting:

Press "DOWN" / "UP" or corresponding number (1,2) button, you can set the pressure unit, press "SEND" will confirm the selection and change to temperature unit setting.



Pressure Setting 1:

You can input the high pressure and low pressure for the 1st axle in tractor. Press “DOWN/UP” will scroll from “High Pressure” and “Low Pressure”. Press ‘SEND’ will confirm and exit to last menu.

Pressure Setting 1:
(1)High Pressure:
175PSI
(2)Low Pressure:
100PSI

Pressure Setting 2:

You can input the high pressure and low pressure for the 2nd axle in tractor. Press “DOWN/UP” will scroll from “High Pressure” and “Low Pressure”. Press ‘SEND’ will confirm and exit to last menu.

Pressure Setting 2:
(1)High Pressure:
175PSI
(2)Low Pressure:
100PSI

Pressure Setting 3:

You can input the high pressure and low pressure for the 3rd axle in tractor. Press “DOWN/UP” will scroll from “High Pressure” and “Low Pressure”. Press ‘SEND’ will confirm and exit to last menu.

Pressure Setting 3:
(1)High Pressure:
175PSI
(2)Low Pressure:
100PSI

Pressure Setting 4:

You can input the high pressure and low pressure for the 4th axle in tractor. Press “DOWN/UP” will scroll from “High Pressure” and “Low Pressure”. Press ‘SEND’ will confirm and exit to last menu.

Pressure Setting 4:
(1)High Pressure:
175PSI
(2)Low Pressure:
100PSI

Pressure Setting T:

You can input the high pressure and low pressure for all the wheels in 4 trailers. Press “SEND” will confirm and exit to last menu.

Pressure Setting T:
(1)High Pressure:
175PSI
(2)Low Pressure:
100PSI

Alert Temperature:

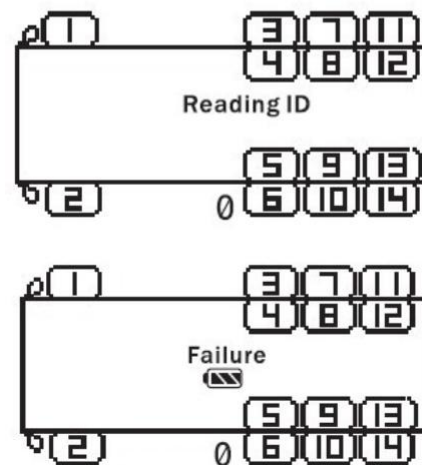
You can input the high temperature value directly; press “SEND” button will confirm the setting and exit to last menu.

Alert Temperature:
70°C

Remarks: After all the parameters are set, remember to press and hold SET for 3 seconds to save.

II. Code Sensor Data

First, choose the correct vehicle type, press the number buttons to select the tire position you want to code sensor, the tire icon will flash, get the hand-held reader close to the sensor, then press “LF” within 5 seconds, LCD will display “Reading ID”. It will give a “be” sound if it code successfully, LCD will show sensor’s ID, pressure and temperature data for 10 seconds. While it will give “be...be” sound and LCD will display “Failure” for 10 seconds if it fails to code. If a sensor is coded repeatedly, it will delete previous record automatically. Press SET will turn to next page



Remarks: For the tire positions which are in two numbers, press two numbers directly, but should be press the 2nd number within 3 seconds.

1. Input Sensor ID Code

In standby mode, press the “ID” button will enter into the Input Sensor ID mode, press “DOWN/UP” will select the tire position which you want to program. Press LF will change to left digital of the code, press SET will change to right digital of the code. Press ID will exit to standby mode.

2. Program Sensor ID to Monitor:

Press and hold the “CODE” button on the monitor until a beep, it will enter into the data receiving mode, then press the corresponding number on the hand-held tool in 5 seconds to select the tire which you want to program to the monitor. Then press and hold the “SEND” button on the hand-held reader until a beep. Both monitor and hand-held tool will give a beep after sending successfully.

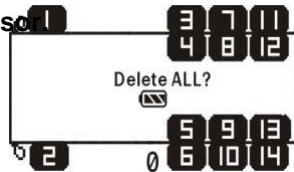
3. Read Sensor ID on the hand-held tool:

In standby mode, press “DOWN/UP”, LCD will show the sensor ID, pressure and temperature for the sensor which is programmed and corresponding sensor icon will flash. Press “DOWN/UP” will scroll to next tire. Press the number button will change to corresponding tire if the tire position is programmed, or LCD will display the next programmed tire position if this tire position is not programmed.

III. Delete Programmed Sensors:

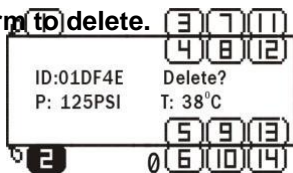
1. Delete all sensors’ date:

In standby mode, press DEL button, LCD will display “Delete ALL?”, Press “SEND” will delete all programmed sensors.



2. Delete a certain sensor:

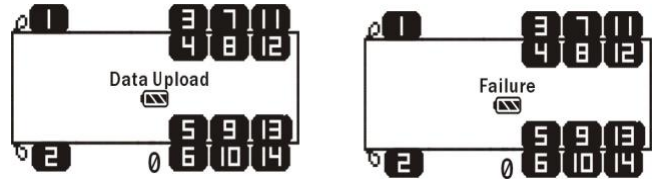
In standby mode, press “DOWN/UP” buttons or corresponding number button to select the tire which you want to delete, then press “DEL”, LCD will show “Delete?” as the picture below, press SEND will confirm to delete.



IV. Hand-held Reader Send Data to Trailer exchange Monitor / Repeater:

Press and hold the “LINK” button on the trailer-exchange monitor for 3 seconds/ press and hold the repeater button until it beeps, and then press SET button on the hand-held tool to select the trailer which you want to send to the trailer-exchange monitor. Press SEND button on the hand-held tool until a beep will upload the trailer information and monitor / repeater and hand-held tool will give a beep

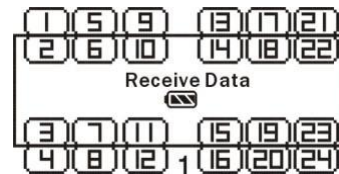
after sending successfully, and the monitor will turn to standby mode. The hand-held reader will display “Failure” as the picture below if failed.



Remarks: Tire Position 3,4,5,6 can not be shown on the trailer-exchange monitor.

V. Trailer-exchange Monitor / Repeater Send Data to Hand-held Reader

Press and hold the LINK button on the monitor until it beeps twice / the button on the repeater until it beeps twice, then press SET to select the trailer (1,2,3,4) which you want to receive data. Then Press and hold UP button until it beeps, then hand-held reader will display the programmed tire positions. While the hand-held reader and repeater will give “Be-Be” if it sends unsuccessful.



Remarks: Trailer-exchange monitor cannot send the sensor data on the tractor to hand-held reader. Please ignore tire positions 13~24.

VI . NOTICE: The buttons A~F is used to input code from sensor, trailer or tractor.

VII. Factory default setting:

Vehicle Type: Heavy Vehicle
 High Pressure: 175PSI (12.1Bar)
 Low pressure: 100PSI (6.9Bar)
 Pressure Unit: PSI
 Temperature Unit: °C
 High Temperature: 70°C (158°F)

VIII. Handtool Specifications:

Working Temperature: -20°C ~ +80°C
 Storage Temperature: -30°C ~ +85°C
 Working Voltage: 3V
 Frequency: 433.92MHz

Power: <9.5dBm
 Sensitive: -108dBm
 Size: 150*67*25mm