



AGRICULTURE TPMS SYSTEMS

Quick Start Guide

ISO/TS 16949:2002

CE 0678

E11 10R-024931

E11 10R-0225099

FCC PART 15/231 / EN 300 200

CAUTION

You are hereby advised that any change or modification to the equipment not authorized in this instruction manual, could void the warranty and your authority to operate this equipment. TP2 AGRIC is designed to prevent any potential accidents, Comatra and his representatives will not be liable for any accident caused by a tire burst within the normal operating procedure of the device.

Important Safety Warnings

A risk of serious injury or death can occur in case of wrong use.

It is strongly recommended to have the system installed by a profession tire dealer.

The devices in this kit are designed to transmit tire pressure and temperature via wireless transfer to the monitor. The device does not have the capability to inform the driver of a pending burst tire.

For tightening valve nut, use a suitable torque wrench calibrated to a torque of 5.0~8.0 Nm. Failure to tighten to the valves to his setting may result in valves coming loose or the valve may leak.

The monitor designed to be powered via a cigar socket. If this is not available, then only use suitable power supply. Position the monitor in a convenient position for both visible and audible monitoring.

DO NOT place the monitor in a position that prevents an air-bag from deploying.

DO NOT position the monitor that would obscure or hinder your driving.

The audible alarm can be affected by Audio Visual system.

The system is a wireless device. There is no guarantee that interference may occur from unusual radio frequencies. This is likely to only be temporary.

The antenna of receiver in installed in the monitor. Try not to place any object in the area that would otherwise interfere with this.

When the monitor sounds an alert, reduce driving speed as soon as possible and investigate.

Do not adjust the monitor while you are driving.

European regulation

This device complies with all European Electromagnetic compatibility regulations (95/54/EC and EN300 220-1). The equipment has been tested and found to comply with the above regulations, and in addition it meets the requirements for low powered transmitters / receivers as defined by the relevant radio approval authority. The regulations are designed to provide reasonable protection against harmful interference or susceptibility. Changes made to this device without the express approval of the manufacturer may void the user's authority to use this device.

General warning

A risk of serious injury or damage of system can occur in case of wrong use.

The system is designed to prevent any potential accidents.

Comatra and his representatives will not be liable for any accident caused by a tire burst within the normal operating procedure of the device.

DO NOT shake or hit any device.

Dismantling or modification will void any warranty

ALWAYS replace the rubber seal whenever the tire is replaced.

The use of tire repair fluid/aerosol tire sealer MAY cause the valve sensor to malfunction.

Check the monitor position regularly in case of vibration.

DO NOT use the separate power lead in conjunction with the cigar socket.

If the separate power lead is used, dismount the 2 screws from the rear of the monitor, unplug the small connector, and fix the bracket supplied with the kit.

DO NOT permit the monitor to come into contact with water or any other liquid, or any contamination from dirt or grit.

In case of battery discharge, the complete tire pressure sensor will have to be replaced.

While the flexible power adaptor is connected, DO NOT input power through 12V input port together.

Specifications

Tire Pressure Sensor

Frequency : 433.92MHz

Output power : FCC Part 15.231 / EN300 200

Operating temperature : -40 to 125

Operating pressure : 0.34 – 7.0 bar.

Size (L×H×W) : 75 x 39 x 15 mm

Weight : 100g

Power : 3.6VDC Battery

Monitor

Frequency : 433.92MHz

Power consumption : below 100mA

Operating temperature : -20 to 80

Size (L×H×W) : 78×48×24,mm

Weight : 100 g

Power : 12~24VDC

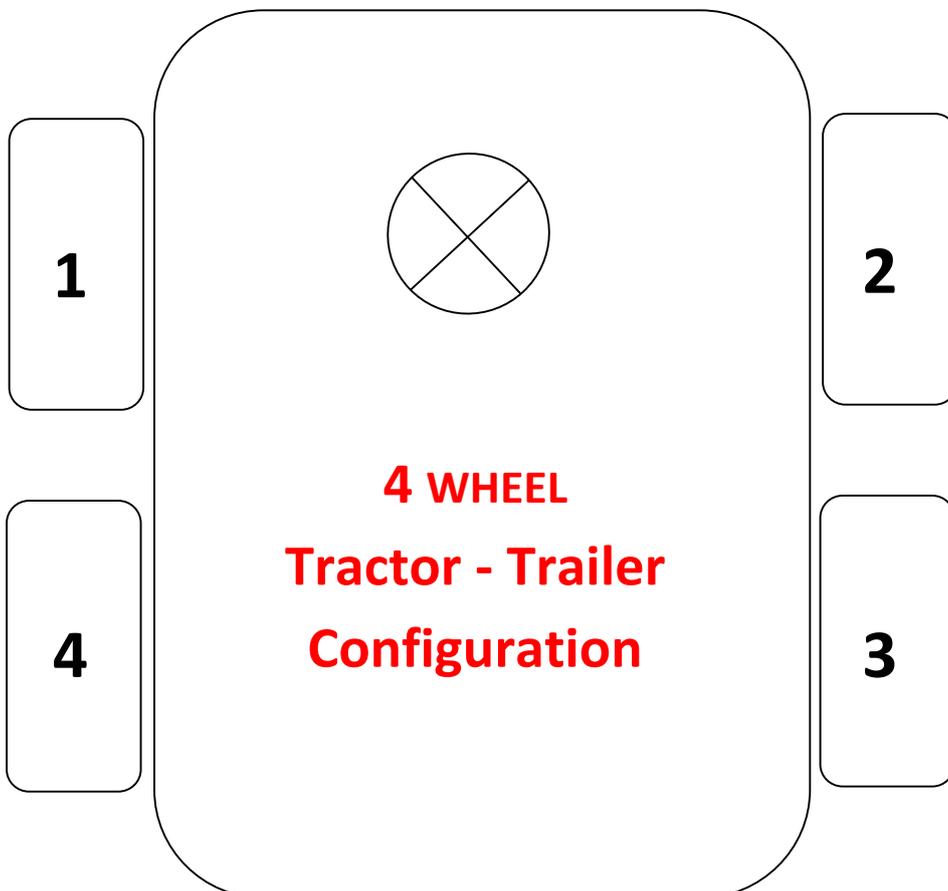
A. How to install the pre-programmed sensors



Sensors have preset locations and must be installed in the correct numerical order.



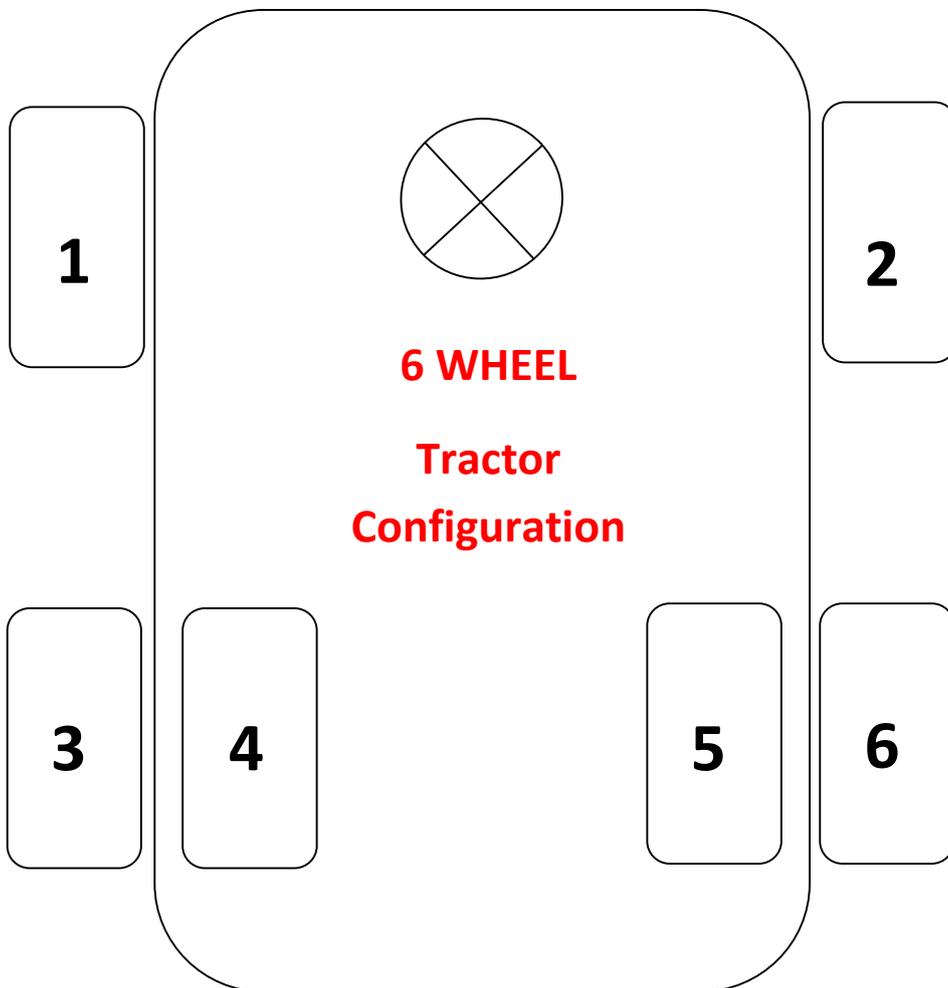
4 Wheel Tractor – Trailer Configuration



6 Wheel Tractor Configuration



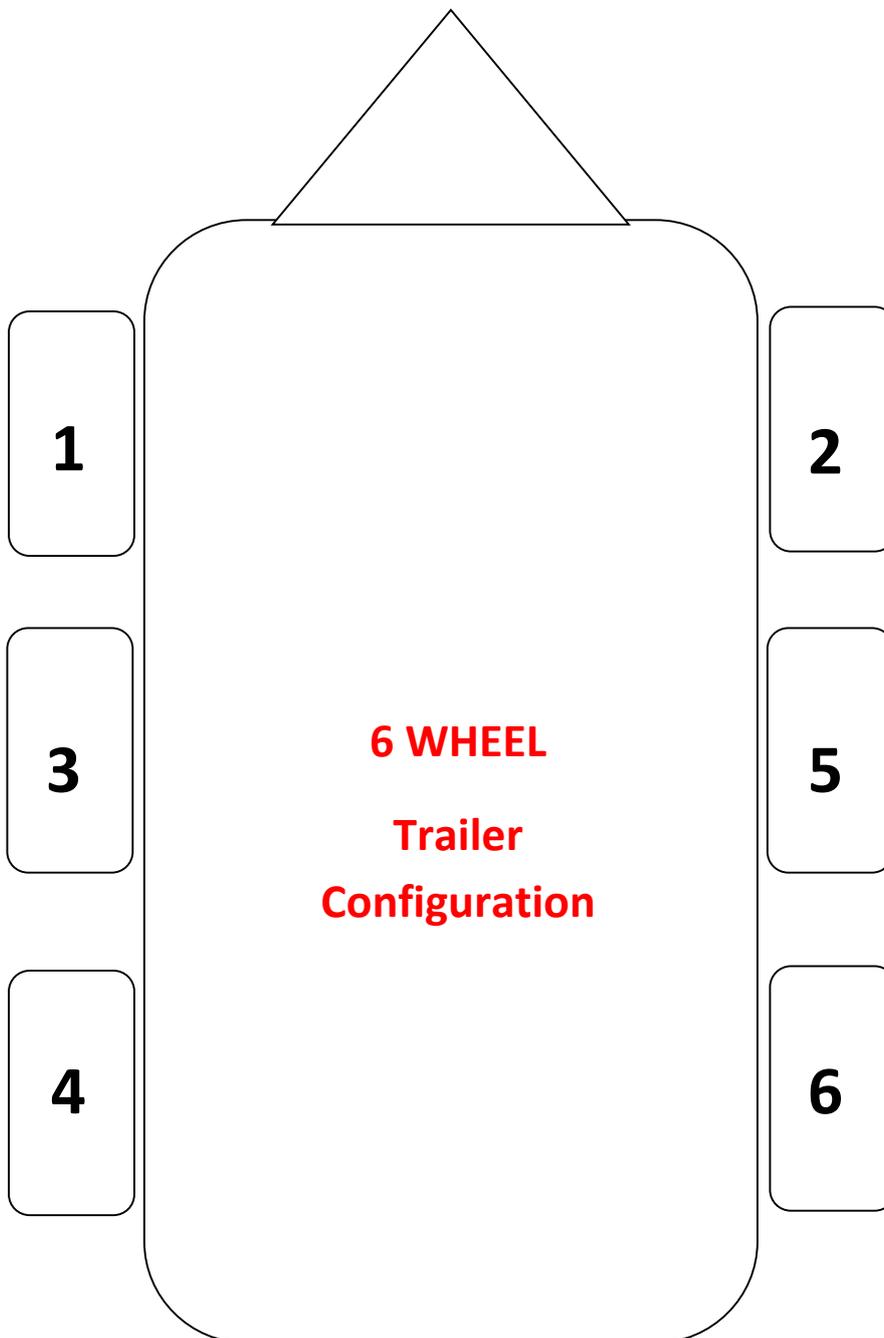
Sensors have preset locations and must be installed in the correct numerical order.



6 Wheel Trailer Configuration



Sensors have preset locations and must be installed in the correct numerical order.



B. Installing the sensors :



1. Push sidewall and bead aside.
2. Remove the original valve.



3. Insert the AGRI TPMS sensors in the correct numerical order.
4. Make sure that bead and sidewall will not damage sensor while the tire is being repositioned on the rim.



5. Tighten down to 5 ~ 8Nm.



Sensors have preset locations and must be installed in the correct numerical order.

C. Setting up the monitor

1. Setting the cold inflation pressure.

1. Press the "set" button for 3sec to consult the main menu.

2. ➡ 1. TIRE PRESSURE ◀ is selected.

3. Press the "set" button for 0.5sec to enter the 'tire pressure' submenu

4. Adjust the pressure by means of the 'up' and 'down' arrows.

**4b. Press the "set" button for 0.5sec to adjust the tire pressures for the rear axles.*

5. Press the "set" button for 3sec to store the values and leave the menu.

6. Press the "set" button once more for 3sec to leave the main menu.

2. Setting the low pressure warning.

1. Press the "set" button for 3sec to consult the main menu.
2. Navigate with the 'down' arrow until
 ➡2. ALERT SETTING ◀ is selected.
3. Press the "set" button for 0.5sec to enter the 'alert setting' submenu.
**3a. Low pressure warning is default set at 20%.*
4. Press the "set" button for 0.5sec once more to adjust the low pressure warning level.
5. Adjust the low pressure warning by means of the arrow keys. To obtain the best results we suggest to use a low pressure warning of 10%.
6. Press the "set" button for 3sec to store the values and leave the menu.
7. Press the "set" button once more for 3sec to leave the main menu.

3. Adjusting the backlight color.

- 1.** Press the "set" button for 3sec to consult the main menu.
- 2.** Navigate with the 'down' arrow until
 ➡3. SYSTEM ← is selected.
- 3.** Press the "set" button for 0.5sec to enter the 'system' submenu.
- 4.** Navigate with the 'up' and 'down' arrows to adjust the timer for the backlight.
- 5.** Press the "set" button once more for 0.5sec to adjust the backlit color. Navigate by means of the 'up' and 'down' keys to select another backlight color.
- 6.** Press the "set" button for 3sec to store the values and leave the menu.
- 7.** Press the "set" button once more for 3sec to leave the main menu.

4. Setting the high pressure warning.

- 1.** Press the "set" button for 3sec to consult the main menu.
- 2.** Navigate with the 'down' arrow until
 ➡10. FACTORY◀ is selected.
- 3.** Press the "set" button for 0.5sec to enter the 'factory' submenu.
- 4.** ➡ 10.1 HIGH PRESS◀ is selected.
- 5.** Press the "set" button for 0.5sec to enter the 'high press' submenu.
- 6.** Adjust the high pressure warning by means of the 'up' and 'down' arrows. The majority of tire manufacturers suggest high pressure warning of 30%.
(Cold inflation pressure x 1.30)
- 7.** Press the "set" button for 3sec to store the values and leave the menu.
- 8.** Press the "set" button once more for 3sec to leave the main menu.

5. How to initiate a new sensor.



***Tip*:**

Write down the sensor ID BEFORE installing !!

1. Press the "set" button for 3sec to consult the main menu.
2. Navigate with the 'down' arrow until
➡ 6. SENSOR SETUP ◀ is selected.
3. Press the "set" button for 0.5sec to enter the 'sensor setup' submenu.
4. ➡ 6.1 INITIATION ◀ is selected.
5. Press the "set" button for 0.5sec to enter the 'initiation' submenu.
6. Select the tire position of the sensor that was installed by means of the 'up and down' arrows.
7. Press the "set" button for 0.5sec to start scanning.

8. When the ID displayed on the monitor is the same as the sensor ID you have installed select 'Y' and press the "set" button for 0.5sec to confirm the sensor ID.

***8b.** When the ID displayed on the monitor is NOT the same as the sensor ID you have installed select 'C' and press the "set" button for 0.5sec to search for another sensor ID. Repeat until you have found the correct sensor ID.

9. Press the "set" button for 3sec to store the values and leave the menu.

10. Press the "set" button once more for 3sec to leave the main menu.

6. How to change sensor position on the vehicle.

- 1.** Press the "set" button for 3sec to consult the main menu.
- 2.** Navigate with the 'down' arrow until
 ➡ 4. Tire Rotation ◀ is selected.
- 3.** Press the "set" button for 0.5sec to enter the 'Tire rotation' submenu.
- 4.** Select the tire you would like to re-position with the 'up and down' arrows
- 5.** Press the "set" button for 0.5sec to confirm the selected tire.
- 6.** Re-position the location of the tire with the 'up and down' arrows.
- 7.** Press the "set" button for 0.5sec to confirm the selected location.
- 8.** Repeat steps 3-4-5-6 until all tires are in the correct position.
- 9.** Press the "set" button for 3sec to store the values and leave the menu.
- 10.** Press the "set" button once more for 3sec to leave the main menu.



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