Tyre Pressure Monitoring System (TSE30)
User Manual

Before install the transmitter, make sure the transmitter has been programmed into the monitor, which is under normal mode. If the transmitter are not programmed or programmed but didn't receive the signal, the screen display “NSP”.

When the transmitter is screwed onto the valve according to the programmed position, the monitor can receive the signals and then display the transmitter location icon, pressure, temperature information on the screen. When all of information were received by the monitor and the information are all normal, the screen display “ON”.

Tranmitter Installation Steps

1. Remove the current tire valve cap.
2. Inflate the tire to the standard pressure recommended by the manufacturer or pressure needed by the user.
3. Screw the transmitter onto the tire valve.
4. Check the connection of Transmitter and valve with the soap solution

to confirm whether the transmitter is firmly screwed onto the valve or not, check whether there is air leakage caused by the installation or the seal of the Transmitters or not.

5. Once screwed onto the tire, transmitter can sense the pressure inside the tire and transmit the data to the monitor, and the information will appear on the screen within 6 minutes.

Note: 1. Please set the standards pressure of each tire on monitor before install the transmitter. The standard pressure has been set to100PSI in factory.

2. If one of your transmitters is broken or lost, the user only needs to replace it, others will work as normal.

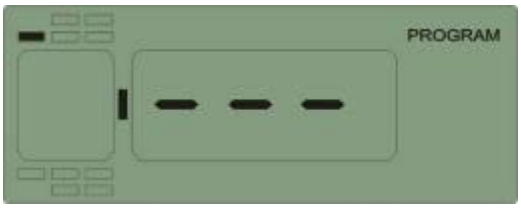
Programming of Transmitter ID

When the Monitor is powered for the first time, the screen shows "NSP", which means there is no transmitter programmed into it. If the user wants to program a new transmitter into the Monitor, the operation

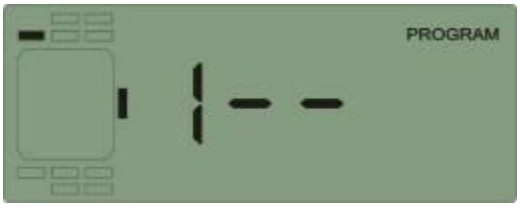
should be finished in programming mode. At this time, make sure the transmitter to be programmed has not been screwed onto the valve yet until the programming has been finished and the Monitor returns to normal mode.

Each transmitter has 4 groups of ID, for example when program the transmitter with ID of 001 001 001 158 to front right tire position, the user only needs to input the last 3 digits “158”. Monitor will record the rest 3 groups of ID automatically.

1. After powered the Monitor and the screen displays “NSP”, press P for 3 seconds to access the system programming mode, the first interface is for ID programming as shown below:



2. Press any of the four arrow keys to choose the transmitter position which needs to be programmed.
3. Then press S for 3 seconds to start programming and the digit flashes, then press up or down arrow key to adjust the value.



4. Once finish programming of the first digit, press [→] to start programming the second digit which flashes. Press up or down arrow

key to adjust the value.

5. Press → again to program the third digit which flashes. Press up or down arrow key to adjust the value.

6. When finish programming these 3 digits, press S for 3 seconds to save with the screen flashes twice, beep buzzes twice. Then it will automatically switch to next tire position.
7. Follow the above operations to program ID of other transmitters.

Transmitter

Modulation Type: FSK

Mid-frequency: 434.1 MHz

Transmitting Power: 0 dBm

Input Voltage: 3.6V (Battery)

Static Current: < 0.7uA

Operating temperature range: -40℃~125℃

Storage temperature range: -40℃~125℃

Transmitter weight: 25 g

Federal Communications Commission (FCC) Interference Statement

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.

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

RF exposure warning

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.