TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>TPMS Programmer Tool Overview</td>
<td>4</td>
</tr>
<tr>
<td>Wells TPMS introduction Keypad summary</td>
<td>5</td>
</tr>
<tr>
<td>Diagnosing a Sensor Diagnose Sensor</td>
<td>6</td>
</tr>
<tr>
<td>Diagnosing a Sensor Result Description</td>
<td>7</td>
</tr>
<tr>
<td>New Sensor Duplicate an O.E sensor</td>
<td>8</td>
</tr>
<tr>
<td>Auto Duplicate Auto Duplicate an O.E Sensor</td>
<td>9</td>
</tr>
<tr>
<td>Manual Duplicate Manually Duplicate an O.E Sensor</td>
<td>9-10</td>
</tr>
<tr>
<td>Program Blank Sensor Programming a blank Sensor</td>
<td>10</td>
</tr>
<tr>
<td>Wireless R/L Modify Manual R/L Modify</td>
<td>11-12</td>
</tr>
<tr>
<td>Wells TPMS Settings Device Setting</td>
<td>13</td>
</tr>
<tr>
<td>Software Update Software Installation</td>
<td>14</td>
</tr>
<tr>
<td>Software Update Device Software Installation</td>
<td>15</td>
</tr>
<tr>
<td>Warranty Device Warranty</td>
<td>16</td>
</tr>
<tr>
<td>Caution</td>
<td>17-18</td>
</tr>
<tr>
<td>FCC Statement</td>
<td>19</td>
</tr>
<tr>
<td>IC Statement</td>
<td>19</td>
</tr>
<tr>
<td>CE Compliance Notice</td>
<td>19</td>
</tr>
<tr>
<td>Disposal of Waste Electrical &amp; Electronic Equipment</td>
<td>19</td>
</tr>
</tbody>
</table>
Wells Programmable TPMS is designed to diagnose and interact with tire pressure monitoring system sensors through wireless (radio frequency) communication to:
- Retrieve data from the tire pressure sensor
- Verify the identity of each tire pressure sensor mounted on the wheels.
- Assist technicians in servicing Tire Pressure Monitoring Systems during relearning procedures.

**NOTE:** Sensor shall be diagnosed close to left or right antenna within degrees. To service TPMS sensors, place Programmable Tool antenna within 1 inch from sensor.
WELLS TPMS INTRODUCTION

Keypad summary

- **Power On / Off**
- **Enter key, press enter to select function or validate a parameter**
- **Low Bat**
- **Indicator will turn red when battery is low**
- **Esc key, press to return to the previous menu without parameter validation**
- **Navigate through menus and parameters by pressing the up and down keys**
- **The USB connection allows software update via PC software**
- **Charge**
- **Indicator will turn orange when charging**
- **Connect to OBDII module by RJ11 cable**

TPMS PROGRAMMER TOOL—Power on the device

During power on, The device display the Wells logo and district. You can switch USA/EUR region in the setting page.

Software revision number follows after the Wells logo.

Now the device is at the maker selection menu.
Use arrow key to scroll up and down between makers.

**Maker selection:**
Use the arrow key ↑↓ to browse alphabets of carmakers, press the “Enter” key → to select.

**Year selection:**
Use the arrow key ↑↓ to select year and press the “Enter” key → to select.

**Function selection:**
Use the arrow key ↑↓ to select DIAGNOSE SENSOR and press the “Enter” key → to diagnose.

**Model selection:**
Use the arrow key ↑↓ to browse models, press the “Enter” key → to select.

**Diagnosing Sensor:**
The TPMS programmer will now activate the sensor. Sensor response time may vary depending on the sensor type and brand. The programmer will beep after receiving sensor information.
The picture below is an example of sensor data communications results.

**NOTE:** The TPMS Programmer will identify the sensor information that is transmitted. Not all sensors transmit every piece of information shown.
NEW SENSOR  *Duplicate an O.E sensor*

This function is designed for you to bypass OBDII and automatically duplicate an O.E sensor.

**NOTE:** Duplicate and Program function will only work with a Wells Programmable TPMS Sensor.

**Maker selection:**
Use the arrow key † ‡ to browse through alphabets, and press the “Enter” key † to select.

**Maker selection:**
Use the arrow key † ‡ to browse through automakers, and press the “Enter” key † to select.

**Model selection:**
Use the arrow key † ‡ to browse models, and press the “Enter” key † to select.

**Year selection:**
Use the arrow key † ‡ to select year and press the “Enter” key † to select.

**Function selection:**
Use the arrow key † ‡ to select NEW SENSOR and press the “Enter” key † to next.

**Function selection:**
Use the arrow key † ‡ to select AUTO DUPLICATE and press the “Enter” key † to select.
AUTO DUPLICATE Auto Duplicate an O.E Sensor

This function is designed for you to bypass OBDII and automatically duplicate an O.E sensor.

Search ID Process:
The Programmer Tool will now search the sensor ID. Sensor respond time may vary depending on sensor type and brand. The programmer will beep after receiving sensor information.

Duplicate Sensor:
Once the TPMS programmer will displays the OE sensor ID, press the “Enter” key to program a new programmable sensor. Note: Once the sensor ID is displayed, press the “Enter” key to program the sensor. If you press the “ESC” key the ID will be erased and you will need to repeat the diagnose procedure.

Duplicate Complete:
The TPMS programmer will now duplicate the sensor for you. The display will show Erasing Flash, Program Sensor and Verifying. You will hear 2 short beeps when the new sensor is programmed.

MANUAL DUPLICATE Manually Duplicate an O.E Sensor

This function is designed for you to bypass OBDII and manually duplicate an O.E Sensor.

Function selection:
Use the arrow key to select MANUAL DUPLICATE and press the “Enter” key to select.

O.E ID Locator:
Use the “OE ID Locator” function to help find the sensor ID on a failed OE sensor. Press the “Enter” key to select.

Manufacture Selection:
Use the arrow key to select the manufacturer of the O.E sensor. Press the “Enter” key to select.
ID Locator:
This will show you where the ID is located. Some manufacturers may have more than one type of sensor. Use the arrow key to browse; Press the “ESC” key to move back.

Input ID:
Use the “Input ID” function to allow you to input the ID from the OE sensor to program the replacement sensor. Press “Enter” to select.

Input Sensor ID:
Use the arrow keys to browse; Press the “Enter” key to enter the ID. Check if the OE sensor ID is hexadecimal (0-9+A-F) or decimal (0-9) and select the correct mode in “Manual Duplicate”

PROGRAM BLANK SENSOR

Programming a Blank Sensor

This function is designed for you to program a blank sensor to O.E. format for vehicle with auto-relearn function.

Function selection:
Use the arrow key to select PROGRAM BLANK SENSOR and press the “Enter” key to select.
Note: Make sure the correct sensor is inserted in the cradle.

Program Blank Sensor:
The TPMS programmer will now program the sensor for you. The display will show Erasing Flash, Program Sensor and Verifying.

Program complete:
When the process is complete, you will hear 2 short beeps.
This function is designed for you to wireless modify the wheel right/left position on the target sensor.

Maker selection:
Use the arrow keys 🅱️ to navigate to the first letter of the vehicle make and press the “Enter” ⏎ key to select.

Model selection:
Use the arrow key 🅱️ to browse models, and press the “Enter” ⏎ key to select.

Year selection:
Use the arrow key 🅱️ to select year and press the “Enter” ⏎ key to select.

Function selection:
Use the arrow key 🅱️ to select WIRELESS R/L MODIFY and press the “Enter” ⏎ key to next.

Function selection:
Use the arrow key 🅱️ to select MANUAL R/L MODIFY and press the “Enter” ⏎ key to select.
Check Target ID:
Place the TPMS programmer’s antenna near the and press the “Enter” key to scan the target ID number. Verify this sensor is the sensor that you want to modify.

Scan Complete:
The TPMS programmer will now show the target sensor ID. You will hear 2 short beeps when the sensor is scanned. Press the “Enter” key to set R/L.

Modify Complete:
The TPMS programmer will now modify the target sensor for you. When the process is complete, you will hear 2 short beeps.
WELLS TPMS SETTINGS  

**Device Setting**

Press ESC to go in to setting at maker selection menu

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**Setting**

**Language:**
Use the “Enter” key to choose the language you prefer.

**Device S/N:**
The device serial number is for you to update the device’s firmware via CD or internet.

*Note:* All the update firmware is synchronous to the device’s serial number.

**Temperature:**
Use the “Enter” key to choose between Fahrenheit and Celsius.

**Pressure:**
Use the “Enter” key to choose between PSI and kPa.

**ID Format:**
Change the ID format between decimal and hexadecimal with the “Enter” key.

*Note:* The present setting is AUTO that automatically change format based on input.

**Auto off:**
User can adjust how quickly the tool will turn off after a period of non-use. This feature can also be disabled. Press the “Enter” key to select desired auto off time.

**Display contrast:**
User can adjust the contrast of display. Press the “Enter” key to highlight and use the arrows to adjust between 01 to 30.

**Buzzer:**
User can adjust the device to beep after receiving tire sensor information. Press the “Enter” key to buzzer and use the arrows to adjust between on and off.

Press ESC to go in to setting at maker selection menu.
1. Insert the CD supplied with programmer, into the PC drive and click on the icon to start the installation.

2. The following screens will appear. Click “Install” and “Yes”

3. The following window will appear, Please click “Next”
1. Connect the USB cable from the TPMS Programmer to the PC, Click on the TPMS update icon to start the program.

2. The following screen will appear. This program will auto recognized the Programmer to proceed with the update processes. Please click “Load Update File” to select the latest firmware file.

3. When you connect the TPMS Programmer via USB cable, and press power, the following screen will open. Click Program to start the update process.

**NOTE:** Every device has it’s unique license number, the software must match the license number to update.
WARRANTY  Device Warranty

Each TPMS sensor is designed and manufactured in a neutral state and requires programming before installation in order to communicate with the vehicle’s Tire Pressure Monitoring System. The Programmable TPMS sensor needs to be initially programmed to your specific vehicle's make, model and year by using the Wells Vehicle Electronics dedicated programmer tool (available in TPMS1 - Programmable Tire Pressure Monitoring System Kit or as TPMS2 - Programmer). Only install programmed TPMS sensors to the applications listed in the tool. Improper TPMS sensor installation or the use of incompatible TPMS sensors cause the vehicle’s Tire Pressure Monitoring System to fail to operate properly. Do not install programmed TPMS sensors in damaged wheels. Upon completion of installation, test the TPMS system using service procedures described in the original manufacturer’s service guide to confirm proper installation. If the Tire Pressure Monitoring System fails to operate properly, recheck all installation procedures to ensure proper installation and retest. If the TPMS system continues to fail to operate properly, immediately consult with Wells Vehicle Electronics technical support. Wells Vehicle Electronics TPMS sensor assemblies are designed and manufactured to operate with Original Equipment wheels and tires only. If Original Equipment wheels and/or tires are not used, the Tire Pressure Monitoring System and the low tire inflation warning threshold of your vehicle’s Tire Pressure Monitoring System may not function or may function incorrectly. If the Original Equipment wheels and/or tires are not used, it is the sole responsibility of the vehicle servicer to ensure that the Tire Pressure Monitoring System is working correctly. Refer to the Original Equipment manufacturer’s vehicle service guide for instruction including the warning threshold reset procedure to ensure the Tire Pressure Monitoring System, including system compatibility with the non-Original Equipment wheels and/or tires, is working properly. The vehicle owner expressly assumes sole and complete responsibility. Failure to ensure that the TPMS is working correctly can result in severe injury or death. Wells Vehicle Electronics warrants that the TPMS sensor complies with Wells Vehicle Electronics’ product specifications and shall be free from defects in workmanship and material for a period of twenty-four (24) months after the sale of product to customer or 24,000 miles of use, whichever occur first. In the event that within the above mentioned warranty period, and if Wells Vehicle Electronics confirms that a product is defective in materials or workmanship; Wells Vehicle Electronics will replace the product at no cost to customer. If it is determined that the product has been subject to accident, misuse or abuse this warranty and the limited obligations hereunder will be void. THIS IS THE SOLE AND EXCLUSIVE WARRANTY AND LIABILITY TO THE CUSTOMER. WELLS VEHICLE ELECTRONICS EXPRESSLY DISCLAIMS OTHER WARRANTIES INCLUDING THE WARRANTIES OF MERCHANTIABILITY, FITNESS FOR PURPOSE OF OTHER IMPLIED OR EXPRESS WARRANTIES. UNDER NO CIRCUMSTANCES SHALL WELLS VEHICLE ELECTRONICS BE LIABLE TO THE CUSTOMER FOR ANY OTHER AMOUNTS INCLUDING LABOR CHARGES FOR INSTALLATION OR REINSTALLATION OF PRODUCTS NOR SHALL WELLS VEHICLE ELECTRONICS BE LIABLE UNDER ANY THEORY FOR ANY OTHER DAMAGES INCLUDING BUT NOT LIMITED TO DIRECTLY, INDIRECTLY, SPECIAL, CONSEQUENTIAL AND INCIDENTAL DAMAGES.

NOTE: TPMS SENSOR AND/OR TPMS SENSOR VALVE STEMS BROKEN BY OVERTORQUE ARE NOT COVERED UNDER WARRANTY. FAILURE TO ACHIEVE THE NECESSARY TPMS SENSOR NUT TORQUE MAY RESULT IN AN INADEQUATE AIR SEAL, RESULTING IN TIRE AIR LOSS.

Warning: ONLY USE WELLS PROGRAMMER TPMS REPLACEMENT PARTS. Using other brands will not allow the system to work and will void the warranty.
CAUTION

Read these simple guidelines. Not following them may be dangerous or illegal. Read the complete user guide for further information.

SWITCH ON SAFELY
Do not switch the device on when wireless use is prohibited or when it may cause interference or danger.

SWITCH OFF NEAR BLASTING
Fellow any restrictions, Do not use the device where blasting is in progress.

USE SENSIBLY
Use only in the normal position as explained in the product documentation. Do not touch the antenna unnecessarily.

WATER-RESISTANCE The device is not water-resistant. Keep it dry.

ENHANCEMENTS AND BATTERIES
Use only approved enhancements and batteries. Do not connect incompatible products. The battery needs to be fully charged for first use.
SWITCH OFF WHEN REFUELLING
Do not use the device at a refueling point. Do not use near fuel or chemicals.

QUALIFIED SERVICE
Only qualified personnel may install or repair this device.

INTERFERENCE
All wireless devices may be susceptible to interference, which could affect performance.

Do not dispose of batteries in a fire as they may explode. Batteries may also explode if damaged. Dispose of batteries according to local regulations. Please recycle when possible. Do not dispose as household waste.

CONNECTING TO OTHER DEVICES
When connecting to any other device, read its user guide for detailed safety instructions. Do not connect incompatible products.
FCC Statement
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 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.

IC Statement
The requirement is specified in RSS-GEN Section 5.3. This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

CE Compliance Notice
All CE marked Wells Vehicle Electronics are in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. A copy of the Declaration of Conformance will be provided upon request

Disposal of Waste Electrical & Electronic Equipment
This mark on a product and/or accompanying documents indicates that this product complies with the EU Directive 2002/96/EC and that when it is to be disposed of, it must be treated as Waste Electrical & Electronic Equipment (WEEE).

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