

User Manual

of the

Continental

Tire Pressure Generation 1C wheel unit

Type

TIS-07

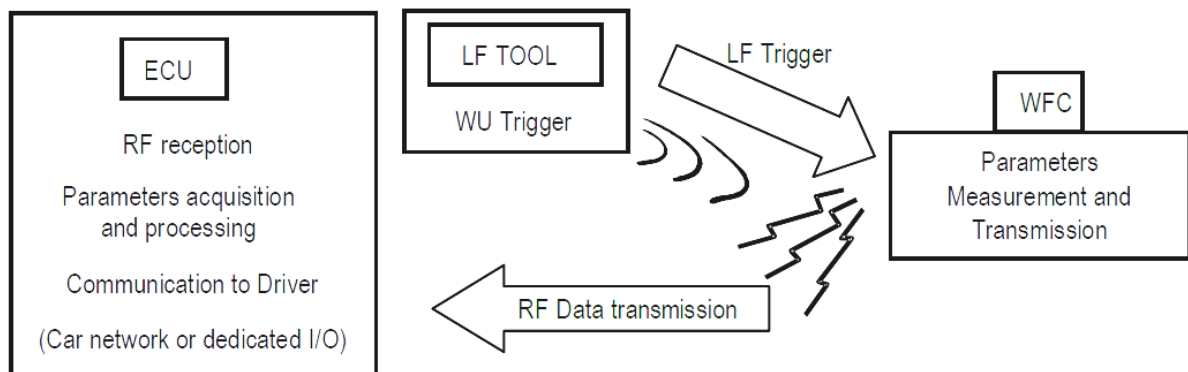
(FSK 433.92MHz)

1. SYSTEM OVERVIEW

The tire pressure monitoring system (referred as TG for Tire Guard) consists of the following units:

- Tire guard wheel unit type TIS-07 which includes an integrated pressure, temperature and acceleration sensor and a RF transmitter.
- RF receiver unit which includes a RF receiver (not described in this document)

The TG monitors a vehicle's tire pressure whilst driving or stationary. An electronic unit (wheel unit) inside each tire, mounted to the valve stem, periodically measures the actual tire pressure. By means of RF communication, this pressure information is transmitted to the RF transmitter.



2. TECHNICAL DESCRIPTION

Carrier frequency:	433,92 MHz
Number of channels:	1
Type of modulation:	Frequency Shift Keying (FSK)
FSK deviation	$\pm 20\text{kHz}$ (min) to $\pm 40\text{kHz}$ (max)
Baud rate:	19200 bps
Rated Output Power:	< 10mW
Antenna:	Internal (PCB)
Voltage supply:	1 Lithium battery 3V (CR2050)
Voltage supply range:	2.1 up to 3.2V
Size:	L (76,21mm) x W (51,8mm) x H (15,7mm)
Weight:	31,6g
Temperature range:	-40°C - 120°C

3. LABEL

3.1. EU



Continental
A2C97432500

3.2. USA

FCC ID:KR5TIS-07

This device complies with the FCC safety requirements for RF exposure in accordance with FCC rule part §2.1093

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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

3.3. CANADA

Continental

Model: TIS-07
IC:7812D-TIS07

This device has complies with the safety requirement for RF exposure in accordance with RSS-102, issue 5 for portable conditions

Cet appareil est conforme aux normes de sécurité pour l'exposition RF conformément à RSS-102, numéro 5, dans les conditions portables.

This device complies with Industry Canada licence-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.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

3.4. KOREA



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