SKTTRT-050530-009 FCC ID: TBJTE315M



### SK TECH CO., LTD.

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## **Operational Description**

#### **Constitution of the Tire Pressure Monitoring System for vehicle**

Tire Pressure Monitoring System is the system that receives the information, from transmitters installed at each tire, about the inflation pressure or temperature of tires detected by the sensor, so that the system can detect the abnormality of tires like fallen inflation pressure. This system consists of transmitter, receiving antenna, and receiver.

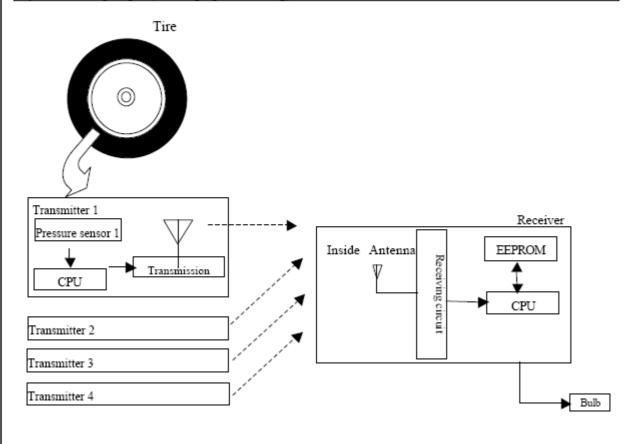
The transmitter sends information of tire, read by the sensor, in the form of radio wave at constant intervals. When the receiver detects the synchronous code and IG is ON, it runs continuously to receive the signals completely. If the received code is normal, the system will not inform the user. As shown below, in the case that the transmitter sends information that the tire is in abnormal condition, and that the receiver system has a trouble, the system will inform the user with lighting up Warning bulb.

TPMS Warning bulb is lit by the following situations.

Bulb disconnection detection output (The warning light is On for 3 sec. when IG=OFF→ON)

Tire air pressure warning output (Warning light is ON)

System warning output (Warning light is blinking)



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### **ANTENNA**

Tx : Loop Coil Antenna for 125kHz transmitter. Rx : PCB Pattern Antenna for 315MHz Receiver

### **SPECIFICATION**

CASING	Dark gray color
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	High strength ABS material
LCD SPEC.	320 by 240 resolution
	LED Backlight type
	Standard character output :40 columns 12
	Lines
KEYPAD	Power ON /OFF Key, Soft Function 6
	Keys, Arrow 4 Keys, Fixed Functional 4
	Keys
	NUBER 0~9 KEY(10), Enter,ESC,YES/NO
	Key.
	Type : Soft Touch Keypad
MEMORY	Internal Memory :
CAPACITY	16 Mbytes Built-in memory
OPERATION	7 – 36 VDC INPUT
	7 - 36 VDC INPUT
VOLTAGE	
OPERATING	0°C -50°C
TEMPERATURE	
DLC COMMUNI-	TPMS K-Line
CATION LINE	CAN
	SAE-J1850
DIMENSION	Width: 125mm
	Length: 223mm
	Depth: 68/43mm (neck part)
BATTERY	SMART LI-ION BATTERY, 7 HOUR LIFE
FREQUENCY	Tx:125KHz(AM), Rx: 315MHz(AM/FM)
POWER	3.6 Watts
CONSUMPTION	
331133111 11011	