

September 9, 2011

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RE: Certification for Honda MY12 315MHz Baseline and FSK TPM Sensor

Models #: 225260-101 (Baseline)  
225260-102 (Highline)  
FCC ID: GQ4-49T  
Canada IC: 1470A-30T

**GENERAL DESCRIPTION**

This transmitter is a transmitter device with tire valve, which is mounted in the valve hole of the wheel rim and transmits the pressure and temperature inside the tire, the battery voltage of the transmitter, and the tire identification code (ID) at normal and abnormal condition with the radio wave (RF) that conforms to the used area. Also this device has a countermeasure function such as the random delay of transmission time so that the RF signal from each tire will not interfere due to the simultaneous transmission. The transmitter device also has a Low Frequency (LF) receiver. This receiver supports Low Frequency (LF) magnetic field communications allowing the changing of measurement/monitoring states of the transmitter by commands sent via the TPM diagnostic tool. The RF signal operates at 315MHz and uses FSK Manchester code modulation. 225260 transmits 5 RF packets every 1 minute.

**Description of Operations**

P/N	Consumer's Use Mode	Mfg. Modes	Mode of Operation	Explanation	Frequency of Transmission
225260-101 225260-102	X		Storage Mode	No transmission. Measures temperature and acceleration.	5 words whenever LF activation occurs
225260-101 225260-102	X		Normal Mode	Measures temperature and pressure. Transmits periodically. Enters this mode from storage when pressure goes above threshold.	5 words every 1 minute, 5 words LF activation occurs
225260-101 225260-102	X		Alert Mode	Transmits when: a) significant pressure delta detected b) high temperature is detected	10 words every 4 seconds for 1 minute
225260-101 225260-102		X	No RF mode	Measures temperature and pressure.	No transmissions occur in this mode