TPMS Locator IDentifier

The LF learning TPMS provides to the Teams a full TPMS Autolocation system, its ability to automatically learn the wheel unit sensors fitted to the car, and start monitoring them, without the user having to assign sensors to specific corners, manually.

The system consists of 4 Low Frequency (LF) LiD Antenna units, one of which is located in each corner. The LF Trigger Antenna broadcasts a request signal over a limited range, and any wheel sensor within that vicinity responds by transmitting a RF datagram back to RCU antenna mounted on the vehicle.

When the vehicle starts moving, the system conducts a check of the wheels it has learned by using the accelerometer inside the wheel sensors to filter out any non-moving wheels (i.e. spare wheels fitted to the car), and learns only a complete set of moving sensors. When the wheels on the car are changed, the system will automatically learn the new sensors fitted to the car, and will start monitoring these; meaning no user interaction is required.

SPECIFICATIONS

ELECTRICAL

- Supply voltage: 9 to 16Vdc
- Supply current 10mA@12V (connected to IGN)

GENERAL

- Mass 100gr
- Size 90mm x 37mm x 17mm
- IP69K
- 2 flying wires 5power only)
- Fixation: Ty-rap channel or double Tap
- RED / FCC certification
- Operating Temperature Range - 0°C - +85°
- LF Frequency - 125 KHz