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Model: ASFPJ4

The TPMS Transmitter is installed to the valve stem in each tyre of a vehicle. The unit measures tyre pressure periodically and transmits this information by RF communication to a receiver inside the vehicle. In addition, the TPMS Transmitter performs the following functions:

The main functions, which the TPMS transmitter must perform, are:

- Regularly measure the tyre pressure.
- Detect if motion is present.
- Use the combination of WAL and PAL protocols to determine which wheel the sensor is located in. This is based on RSSI received and ABS correlation data.
- Periodically transmit tyre pressures using RF at 433MHz and receive on one to two receivers depending on truck application using a specific RF protocol.
- Monitor battery condition and transmit to the system during the RF transmission.
- Sample pressure at a faster rate if a pressure delta occurs. The system must be notified of the pressure fluctuations.
- Chip Inductor and tuning components are used to poll the ASIC for the detection of a 125KHz LF signal to place the sensor into specific testing modes.