

RECEIVER CONTROL UNIT

TIRE PRESSURE

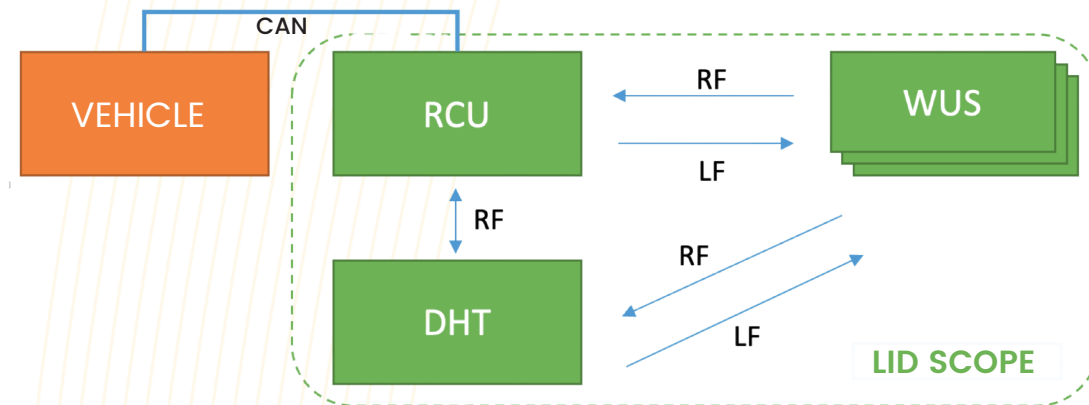
PRODUCT OVERVIEW

This real-time TPMS alerts drivers to sudden pressure loss, helping prevent breakdowns and tire-related accidents.

The RCU receives wireless data from wheel sensors and transmits pressure and temperature via the vehicle CAN network. An optional algorithm can identify each wheel's position automatically.



TECHNICAL DATA



MECHANICAL

Size	118x100x56.6mm
Weight	164g
Tightness	IP69K
Flammability	UL94 V0
3 Mounting Points	M5 or M6 Fastener

INTERFACES

CAN	J1939	500 or 250kb/s
CAN Trailer	ISO 11992	250kb/s
Radio Frequency	434 MHz	11400bit/s

TEMPERATURE RANGE

Operating	-40 to 85°C
Storage	0 to 40°C

LEGAL REGULATIONS

Marking	CE
RF Regulation	FCC/IC RED
TPMS	R141

TIRE PRESSURE MONITORING SYSTEM

Sensors	Up to 24 (+4 spare wheels)
Layout Configuration	Number of RCU Number of axles Number of wheels
Thresholds Configuration	Nominal pressure Low pressure warning Low pressure alert High pressure warning High temperature warning
Manual Location	Sensor location configuration with a diagnostic tool

AUTOLOCATION LAYOUT (Optional)

Bus	3 axles
Truck	4x2 and 6x4
Trailer	6 wheels/3 axles

ELECTRICAL

Connector	Six ways: 1. Power 2. CAN High 3. 120R CAN Termination activation 4. Ground 5. CAN Low 6. Ignition
Voltage	10 to 32V
Protection	3A fuse
RCU Consumption	20 to 100mA

REPEATER TIRE PRESSURE

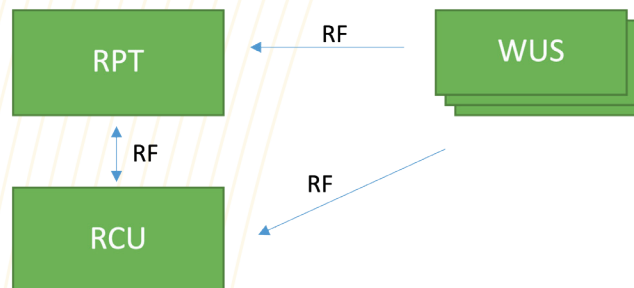
PRODUCT OVERVIEW

The Repeater (RPT) shall transmit Tire Pressure Monitoring (TPM) information received from Wheel Unit Sensors (WUS) installed in rotating tires to TPMS Receiver Control Unit (RCU).

RPT can be installed under the vehicle. It is a gateway between WUS and RCU.



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