

# LSM TyreGuard® RV360™

## INTEGRATION WITH ADVANCED TYRE MONITORING SYSTEMS

Reports tyre temperature and  
pressure data for your RV, caravan  
and tow vehicle

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## STAY SAFE AND REDUCE TYRE COSTS

A flat tyre can ruin a trip and replacing it is expensive and time consuming. A sudden tyre failure can also be dangerous.

The LSM TyreGuard® integrates into the Doran RV360™ TMSystem and continuously analyses and communicates the tyre status of your motor home, caravan or tow vehicle to keep you safe on the road.

### LSM TyreGuard® RV360™ enables:

- Easy programming of your desired tyre pressures for all of the tyres you want to monitor.
- Multiple visual and audible warnings, including a Fastleak™ warning for sudden pressure drops.
- Highly durable, spin-welded sensors with a unique, three piece seal design to maximise valve core depression and minimise leaks.



HIGH PRESSURE ALERT



FASTLEAK™ ALARM

## ALERTS

When pressure or temperature limits are incorrect, the system will signal an alarm alerting the driver to the problem and its location on your set-up.

### Level I low pressure warning:

Occurs when a 12.5% drop from the programmed baseline tyre pressure occurs.

### Level II low pressure warning:

Occurs when a 25% drop from the programmed baseline tyre pressure takes place.

### FastLeak™ warning:

Triggered when the pressure drops by 19.3 Kpa in less than 12 seconds, regardless of the baseline tyre pressure.

### High temperature warning:

A high temperature alarm is triggered when the temperature of a sensor reaches 80°C, indicating a potential problem with the tyre.



## WIRELESS TYRE PRESSURE SENSORS

- The long life lithium-ion battery in the sensors provides an estimated life of up to five years.
- The sensor electronics are secured with a potting material to provide component stability, extreme temperature resistance and airtight construction.
- The high impact, thermal resistant, nylon housing is spin-welded to prevent air leaks and eliminate the potential for outside contaminants.
- Proven and robust technology that is purpose-built to survive and function efficiently in operational / environmental extremes.
- Light weight with no requirement to rebalance wheels.
- Provides the highest level of accuracy, durability, reliability and protection for your pneumatic tyres.

## BUILT-IN TOUGHNESS

- Tested and certified to SAE 2848 Standard Tyre Pressure Systems Management (CTIS) type for Medium and Heavy-Duty Highway Vehicles, and SAE J1455 Standard Recommended Environmental Practices for Electronic Equipment Design in Heavy-Duty Vehicle Applications.
- LSM TyreGuard® RV360™ is protected by an industry leading two-year limited warranty.

## SIMPLE TO INSTALL AND PROGRAM

- The digital monitor/display is easily customised to fit your RV, trailer and tow car setup and comes pre-wired with a 12 / 24 Vdc plug adaptor or can be hard-wired to your vehicle.
- The LSM TyreGuard® RV360™ system comes with a pedestal mounting kit and visor clip/fastening tape kit to provide multiple options for the driver display.
- Each sensor is laser etched with a unique serial number and QR code to allow you to program the specific baseline tyre pressure that you want to maintain in each tyre location.
- Sensors are simply screwed on to the valve stems to activate the RF signal and transmit data.
- An optional "sleep mode" can be activated by hard-wiring the monitor which will store any alarms until the ignition is turned on.
- Program your primary and tow vehicle and sensors to display separately on monitor.
- A global reset of all tyre sensor set-points for 4x4 driving when changing pressures on hard and sand roads.
- Fully Automatic "Drop and Hook" function: disconnect your trailer or caravan to use your car separately and the LSM TyreGuard® RV360™ will ask if you would like to stop monitoring its sensors. Later when you come within range of your tow again it will ask if you would like to add their sensors back again for monitoring.



- Digital LCD screen with backlit display for optimal visibility.
- 'Green Means Good' indicator light provides at-a-glance confidence that the system is working properly.
- Both audible and visual alarms are activated to notify the driver, and the display identifies the specific tyre location with updated data.

More LSM  
TyreGuard®  
RV360™  
information is  
available on  
our website:



### SENSOR SPECIFICATIONS

- Pressure Range: 69 to 1300 kpa (10 to 188 psi)
- Accuracy: +/- 13.8 kpa (2 psi) over the pressure range
- Operating Frequency: 434.10 Mhz
- Operating Temperature Range: -40° C to +125° C
- Battery: Lithium-ion, internal, non-rechargeable & non-replaceable
- Low Voltage Shutdown: 2.2 V
- Dimensions: W 29.53 x H 33.1 mm
- Weight: 23.5 g

**SPECIAL NOTE:** Optional interior and exterior signal boosters are available for large or long caravans or RV's.

### MONITOR SPECIFICATIONS

- Power Requirement: 12 / 24 Vdc
- Current Draw at (eg at 12 Vdc): Normal Mode: <77 mA
- Alarm and Backlight: <115 mA
- Sleep Mode: <70 mA
- Tyre Positions: 16 x tyre positions mapped for the truck and 20 x single trailer / tow vehicle
- Dimensions: W 144 mm x L 55 mm x D 29 mm
- Weight: 153 g

# LSM FSM<sup>®</sup> TELEMATICS AND / OR LSM SENTINEL<sup>®</sup> (pat.pend.) VSS INTEGRATION



## LSM FSM<sup>®</sup> FLEET SAFETY (TRACKING) MANAGER

LSM TyreGuard<sup>®</sup> Tyre Monitoring Systems works hand in hand with the LSM FSM<sup>®</sup> Fleet Safety (Tracking) Manager Telematics System to provide real time data and alerts back to base, ensuring a proactive approach to enhance workplace (and public) OH&S, equipment damage control, maintenance cost-downs and productivity.

LSM FSM<sup>®</sup> is an in-house world first Australian designed and developed SaaS software that allows users to be provided with more than just fleet tracking, but also integration of LSM product technologies, that can be accessed via any internet connected PC or mobile device. LSM FSM<sup>®</sup> Fleet Safety (Tracking) Manager is an intuitive web browser interface with single-click access to fleet dashboards, customise reports, compliance tools as well as real-time, user-defined alerts.

It is scalable from a single vehicle or asset up to thousands, providing immediate alerts as required via SMS and email, anywhere in the world, 24/7.

Australian designed and made for Australian industry.



FSM<sup>®</sup> Fleet Safety  
Tracking Manager

## LSM SENTINEL<sup>®</sup> (pat. pend.) VSS (VEHICLE SAFETY SYSTEM INTEGRATION)

LSM TyreGuard<sup>®</sup> Tyre Monitoring Systems also integrate into the LSM Sentinel<sup>®</sup> (pat. pend.) VSS Vehicle Safety System.

This is especially advantageous where most vehicle cabins have limited "real estate," avoiding a clutter of monitors or displays. The LSM Sentinel<sup>®</sup> in-cabin display provides driver / operator alerts for *all* LSM connected OH&S mitigation technologies, all on a single monitor.

Australian designed and made for Australian industry.



LSM Sentinel<sup>®</sup> (pat. pend.)  
VSS Vehicle Safety System

### HOW TO ENQUIRE

Call: +61 (0)7 3725 8100 Email: [tech@lsm.com.au](mailto:tech@lsm.com.au) Web: [lsm.com.au](http://lsm.com.au)

16 Bluestone Circuit, Seventeen Mile Rocks, QLD 4073