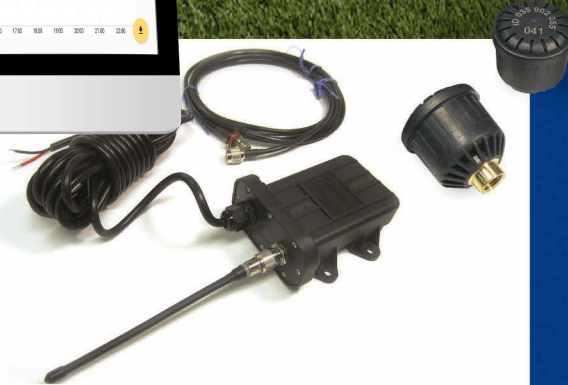
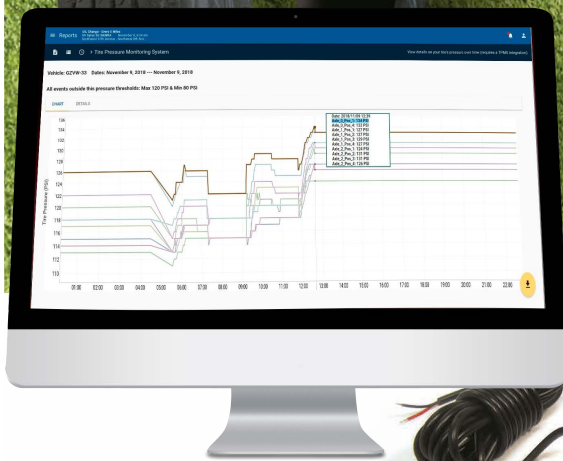




If only you had known.



# Doran 360™ SmartLink™ TPMS

The Most Advanced Tire Pressure Monitoring System for Truck and Trailer “Drop & Hook” Fleet Applications

## Now you can.

- Provides real-time digital tire pressure and temperature data and alerts for both truck and trailer tires
- Seamlessly drops and adds new trailers to the Doran monitor without the need for driver interaction
- Simple installation, programming, and operation



The innovative Doran 360™ tire pressure monitoring system is specifically designed for truck fleets that routinely drop and hook trailers. It is the most advanced system for monitoring all of the tires in a fleet.

## How It Works

The Doran 360™ tire pressure monitoring system is comprised of wireless, valve stem-mounted tire pressure sensors that communicate radio frequency signals to an in-cab monitor/display.

When a truck connects to a new trailer, a wireless handshake occurs, and both truck and trailer tire pressure data is available on the in-cab Doran 360™.

Tire pressure and temperature data can also be accessed from Doran Display.

## Benefits to Fleet Managers

### Simple Installation

Installation and programming of the Doran 360SL™ can be performed at an OEM Modification Center, Dealer, or Fleet Maintenance Facility in as little as 1 hour per truck or trailer.

### Value

- Maintaining proper tire inflation maximizes tread life and allows casings to be re-capped multiple times.

### Ease of Operation

- Quick reference Green Means Good™ (patented) LED light gives drivers continued confidence that tires are inflated properly.
- Real time, tire pressure information is available at the push of a button, making pre-trip and post-trip inflation checks easier, accurate and more efficient.
- Visual and audible warnings notify the driver of the specific tire position that is in an alarm condition.

## Real Time Tire Pressure Alerts

### Visual and Audible Alerts Include:

- A **FastLeak™ warning** is triggered when the pressure drops 4.5psi within 16 seconds.

A cautionary **Level 1 Low Pressure warning** is initiated when tire pressure drops 12.5% below the user-programmed baseline tire pressure.

A critical **Level 2 Low Pressure warning** is initiated when tire pressure drops 25% below the user-programmed baseline tire pressure.

An optional **High Pressure warning** can be activated to alarm when tire pressure increases 25% above the programmed baseline tire pressure.

- The **High Temperature alarm** is triggered when a tire pressure sensor captures a temperature reading of 175°F.

### Additional Features

- The patented Sleep Mode setting continues to monitor tire pressure when the ignition is turned off, so that current tire pressure information is visible when the ignition is keyed on.
- The Doran 360™ system is also available with RS-232 connection to interface with third party mobile communication systems or to the vehicle's CAN-bus network using J1939 or J1708.



Green Means Good™



FastLeak™ Warning



# Component Specifications



## Monitor/Display

**Power Requirement:** 12VDC

Current Draw at 12VDC: Normal Mode: <77mA

Alarm and Backlight: <115mA

Sleep Mode: <70mA

**Tire Positions:** 1 to 38 wheels

**Dimensions:** W 5.65" x L 2.16" x D 1.14"

**Weight:** 5.40 oz



Monitor for RS-232, J1939, J1708 data output



## Wireless Tire Pressure Sensors

**Pressure Range:** 10 to 188 PSI

**Accuracy:** +/- 2 PSI over the pressure range

**Operating Frequency:** 434.10MHz

**Operating Temperature Range:** -40° F to +257° F

**Battery:** Lithium-ion, internal, non-rechargeable & non-replaceable

**Low Voltage Shutdown:** 2.2V

**Dimensions:** W 1.16" x H 1.30"

**Weight:** 0.83 oz

- Standard Tire Pressure Sensor

- Tire Pressure Sensor with SmartLink Activation for use with the #360SLT

## One-Click Transceiver

**Dimensions:** W 4.875" x H 7.0"

**Modulations Mode:** FSK

**Operating Frequency:** 434.10MHZ

**Input Voltage Range:** 12VDC

**Current Draw:** 75mA at 12VDC

**Operating Temperature Range:** -40°F to +185°F

**Weight:** 16oz with cord



## Remote Antenna Kit

**Cable:** coaxial

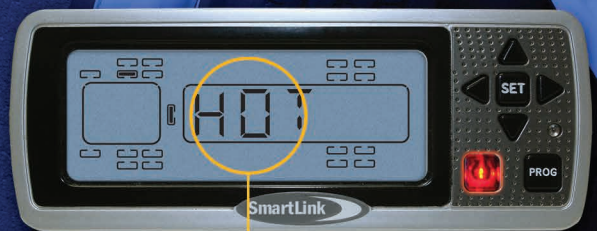
**Length:** 10 ft or 35 ft



Low Pressure Warning



High Pressure Warning



High Temperature Warning