



If only you
had known.



Doran 360TM SmartLinkTM 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™ SmartLink™ 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™ SmartLink™ 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. The SmartLink™ trailer transceiver with One-Click™ technology stores trailer information that is also communicated wirelessly to the 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 SmartLink™ monitor/display.

Tire pressure and temperature data can also be accessed from the SmartLink™ One-Click™ trailer transceiver using the Doran SmartLink™ multi-function tablet.

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™ SmartLink™ 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.
- Tire pressure sensors with SmartLink™ Activation (#3604) allow for walk-around tire inflation checks using the SmartLink™ Tablet (#360SLT).



Green Means Good™



FastLeak™ Warning



SmartLink™ TPMS Tablet and One-Click™ Transceiver

The Doran 360 SmartLink™ TPMS Tablet is an Android based device which communicates wirelessly with Doran 360™ SmartLink™ tire pressure monitoring system products including: Doran One-Click™ Trailer Transceivers (#3666-OC), individual tire pressure sensors with SmartLink™ Activation (#3604), and more.

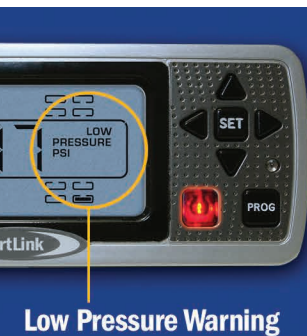
The Doran SmartLink™ TPMS Tablet is also used to program the One-Click™ trailer transceiver (#3666-OC) for use in truck and trailer “drop & hook” fleet applications.

Read. Record. Review

- Read current tire pressure and temperature data for all tire pressure sensors programmed to the transceiver.
- Record and save updated transceiver data.
- Review data on SmartLink™ tablet or PC.

Manage multiple trailers with the One-Click™ Transceiver. With just one-click, each tire pressure sensor will display current Pressure and Temperature.

Data captured by the tablet can be saved by asset number with a date/time stamp. This file can be downloaded into an Excel .csv file to provide accurate record keeping as part of an overall tire maintenance program.



Low Pressure Warning



High Pressure Warning



High Temperature Warning



Doran 360™ SmartLink™

Tire Pressure Monitoring System for Truck and Trailer "Drop & Hook" Fleet Applications

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 (#3602 and #3604)

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

#3602 - Standard Tire Pressure Sensor

#3604 - Tire Pressure Sensor with SmartLink Activation
for use with the #360SLT - SmartLink Tablet

One-Click Transceiver (#36660C)

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 (#3623)

Cable: coaxial

Length: 10 ft or 35 ft



SmartLink™ Tablet (#360SLT)

Dimensions: W 11.25" x H 7.5" x D 1.5"

Screen Size: 8"

Weight: 2.75 lbs

Operating System: Android

Storage Capacity: 3.5 GB

USB Cable Included

About Doran Manufacturing, LLC: Cincinnati, OH-based Doran Manufacturing has been supplying high quality transportation safety products for over 35 years. In addition to tire pressure monitoring systems, Doran supplies LED and incandescent Exterior Light Monitors, Sleeping Child Checks®, Emergency Exit Monitors and a full range of LED lighting products to the school bus market. Doran continues to manufacture customized electric terminals and terminal boards in the original factory that was established in 1954.

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