



**Doran 360™ TPMS & Divebiss  
VersaCloud™ M2M WiFi  
Integration Package for  
Off-Road Equipment**

Reduce tire repair and maintenance costs, make fleet air checks more efficient, and improve overall safety through this innovative integration which transfers tire pressure / temperature data and alarms from Off-Road equipment to your fingertips through the use of Wifi communication.



# Doran 360™ Tire Pressure Monitoring Systems Integrated with Divelbiss Versacloud M2M™



## How It Works

The **Doran TPMS Hub** is connected to the Divelbiss HEC Gateway via J1939 wiring harness. The Doran Hub receives tire pressure/temperature data and alarms and feeds this data to the HEC Gateway using J1939 data protocol.

When equipment enters into a programmed WiFi hotspot, the HEC Gateway uploads the stored Doran data to the cloud through WiFi connection, and the data is then visible in a customer-specific secured web portal.

The **Divelbiss VersaCloud** enabled Programmable Logic Controllers (PLCs) communicate to and from a secured cloud based server and exclusive web portal utilizing WiFi zones to transfer data from the off-road vehicles. The PLCs receive and store tire data and transfer it to the cloud when the vehicle is connected to a paired WiFi zone.

## Doran Components



The Doran TPMS Hub is mounted on the equipment and receives tire pressure/temperature data from each tire pressure sensor.



Doran tire pressure sensors continuously read tire pressure/temperature data and transmit through RF communication to the TPMS Hub.



The Doran SmartLink™ TPMS tablet is used to program Equipment ID# and tire pressure sensor information to the Doran TPMS Hub.



Using One-Click™ Technology, the Tablet can also read and store tire pressure data from the TPMS Hub to make fleet air checks more efficient.

## Divelbiss Components



The Divelbiss HEC Gateway connects to the Doran TPMS Hub to receive tire pressure/temperature data. The Divelbiss HEC Gateway transmits the Doran TPMS data onto a WiFi network. The Gateway can also receive data from the cloud portal.



A customer-specific secured web portal can be accessed to see current and historical tire pressure/temperature data and alarms. The portal may be configured to send alerts via text message (SMS) or email to multiple recipients. Cloud storage and portal access require a contract and payment for data/hosting fees.



For reliable, extreme duty WiFi coverage, 120v or solar powered Wifi Data Collection Points are available.

**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.

**Divelbiss Corporation,** founded in 1974 in Fredericktown, Ohio designs and manufactures industrially hardened electronic control solutions. Our patented PLC on a Chip™ technology introduced in 2004 continues to break new ground for embedded controls.

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