

## DS 300

### Wire-free, hassle-free door sensor.

Enhanced visibility of trailer operations and improved cargo security.



ORBCOMM's wireless door sensor delivers enhanced visibility of trailer and container operations and improved cargo security. The DS 300 detects when doors open or close, enabling fleet operators to know if the cargo area is being accessed as scheduled and react quickly to unexpected openings.

#### Hassle-free installation and maintenance

Wireless connectivity makes installation quick and easy since wiring is not required. The wireless sensor eliminates maintenance and repair costs as there are no wires that might be damaged during day to day operations that would necessitate repair or replacement of the sensor. Low operational costs make the wireless sensor ideal for deployment across large fleets.

An easy-to-use mobile application, the Field Support Tool, facilitates initial configuration and ongoing support.

#### Ruggedized

The IP67-rated DS 300 is built to withstand harsh operating environments that include dust, humidity, water, shock and vibration, for reliable reporting in all conditions.

#### Real-time alerts

Monitor door status and receive real-time alerts when unexpected door events occur, openings take place outside a pre-determined geofence or a sensor is damaged.

#### Long service life

The DS 300 delivers a minimum of 5 years of reporting without battery changes.

#### Enhanced cargo security

#### Ruggedized, versatile and accurate

#### Part of a comprehensive solution

#### Quick and wireless installation

#### Long battery life

#### Easy to use mobile app for configuration and support



### Compatibility

- GT 1100
- GT 1200
- AG 400

### Environmental conditions

- Operating Temperature: -40 °C to +85 °C
- Dust and water ingress: IP67
- Vibration: SAE J1455 (Sec 4.10.4.2 figures 6-8)
- Shock: MIL-STD-810G (Sec 516.6 procedure I, Section 2.3.2c)

### Communications

- Bluetooth Low Energy (BLE) version 4.0
- Low power, short range protocol using 2.4GHz band

### Power

- Lithium battery with 1000 mAh capacity
- Up to 5 years of operation

### Mechanical

- Dimensions 102 mm x 64 mm x 15 mm
- Weight 97g

### Ordering Details

- ST100687-001 – Door sensor with mounting bracket required for rolled doors
- ST100547-001 – Door sensor

### Certification and compliance

- CE Mark:
  - » EN 301 489-17
  - » EN 301 489-1 (EMC)
  - » IEC 62368
- FCC regulation: 47 CFR 15
- Industry Canada
  - » ICES-003
- RoHS
- GAMP 5<sup>1</sup>

1 – When used in combination with the MX2



A sample DS 300 deployment.

Although we strive to ensure accuracy in all of our published specifications, actual field performance can vary depending on a variety of environmental, installation and usage factors, as well as third-party factors such as cellular providers. The specifications listed are approximations, and do not constitute binding statements or modify the terms and conditions of purchase or lease including, but not limited to, product operational limitations and warranties. All specifications are subject to change without notice. Please check [www.orbcomm.com](http://www.orbcomm.com) to ensure you have the latest version of these specifications.

**CALL: 1.800.ORBCOMM    EMAIL: SALES@ORBCOMM.COM    VISIT: WWW.ORBCOMM.COM**

ORBCOMM is a pioneer in IoT technology, empowering customers with insight to make data-driven decisions that help them optimize their operations, maximize profitability and build a more sustainable future. With 30 years of experience and the most comprehensive solution portfolio in the industry, ORBCOMM enables the management of over a million assets worldwide for a diverse customer base spanning transportation, supply chain, heavy equipment, maritime, natural resources and government. For more information about how ORBCOMM is driving the evolution of industry through the power of data, visit [www.orbcomm.com](http://www.orbcomm.com).