



## DS 100

### Advanced sensor technology

VIACHAIN's DS 100 door sensor can be integrated with our award-winning GT 1100 asset tracking solution to detect if a trailer or container door is open or closed beyond set parameters or while in route, providing enhanced security and operational efficiency. The magnetic, hermetically sealed DS 100 sensor monitors the trailer door's status and can immediately send an alert if there is a rapid number of open and close events, if there is an unauthorized opening outside a pre-determined geofence or if the sensor is damaged or removed. The DS 100 gives fleet owners peace of mind that their assets are safe and secure while in transit and provides confirmation when they arrive and are unloaded at their final destination.

The DS 100 can be configured over-the-air and integrated with additional sensors for maximum utilization and flexibility. When combined with a cargo sensor, the DS 100 can allow a fleet owner to manage effective detention billing with customers who choose to keep a trailer for additional storage use.

The DS 100 provides accurate, live updates and historical data when trailer or container doors open or close based on a customizable reporting schedule through VIACHAIN's robust web application. By integrating the high-performance DS 100 into VIACHAIN's GT 1100 system, fleet owners can ensure the safety and security of their fleet and the assets they carry throughout the value chain.

**Maximize trailer utilization and efficiency**

**Monitor and control detention billing**

**Prevent theft and ensure cargo safety**

**Enhance customer satisfaction**

**Universal mount for barn and rolling doors**

**Quick, easy installation**

# Specifications

## Dimensions

- 3"x 1.25" x .5" (For magnet and sensor)

## Mounting

- Bracket on plywood or metal

## Operating temperature

- -30C to 70C (-22F to 158F) @ 95% RH

## Rating

- Listed to UL634 standard

## Other key features

- Extra wide gap- N35 NdFeB rare earth magnet
- 36" 22AWG wire leads
- 24" armored cable lead protection
- Extruded anodized (type II) aluminum

*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.viachain.io](http://www.viachain.io) to ensure you have the latest version of these specifications.*

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VIACHAIN, an ORBCOMM company, is a global leader in IoT solutions that deliver enhanced sustainability, cargo safety and operational reliability for logistics providers, trucking fleets and the world's largest shipping lines. Our pioneering technology transforms intermodal containers and trailers into smart assets to optimize efficiency and reduce risk. Providing real-time visibility and insights into location, condition, safety and route performance, our solutions enable fast reactions to disruptions. With more than 1.6 million connected assets, VIACHAIN is where IoT powers smart supply chains..