

Wireless Multi-Sensor: Door Sensor

Maximize Security and Fleet Efficiency.

Improve fleet efficiency and reduce unauthorized use of your trailers or containers by delivering total visibility of your assets and a more complete status of your cargo with the SkyBitz Wireless Multi-Sensor's Door Sensor.

Get an extra level of safety and security for hazardous or high value loads and obtain the peace of mind you deserve while your cargo is in transit. Monitor your assets any time and be able to configure the system to alert you to a "door open" event outside of specified landmarks in a matter of minutes.

Frequent unauthorized door openings in customer locations may be an indication that trailers or containers are used as a temporary warehouse. As part of the SkyBitz SmartTrailer™ Ecosystem, the Wireless Multi-Sensor's Door Sensor also allows fleet operations to keep an eye on unauthorized usage of your assets by providing you actionable information and allowing you to take appropriate measures.

Furthermore, with the help of the Door Sensor, you are no longer left in the dark about the arrival time at your customer's location. Use the Door Sensor open notifications as proof that a load arrived at its final destination and is being unloaded even before your driver or customer notifies you.

Maintain Total Fleet Visibility.

With the Wireless Multi-Sensor's Door Sensor, you will save on time and install costs. In as little as 10 minutes, you can install the unit with just 6 rivets – with no wiring required.










Once installed, you will have status updates for your trailer or container based on door open/close events. The Wireless Multi-Sensor's Door Sensor is suitable for and is easily mounted to trailers or containers with barn doors.

The Wireless Multi-Sensor's Door Sensor is compatible with SkyBitz Falcon series products with WLAN capabilities and can be monitored through SkyBitz InSight, our best-in-class online data platform. You can configure notifications when a container or trailer door is opened or closed. When there is a change in status, receive email or SMS alerts.

With SkyBitz and the SmartTrailer™ Ecosystem, you get the information you need to decide what works for your fleet.



Key Features

-  Part of the SkyBitz SmartTrailer™ Ecosystem
-  Provides real-time notifications of door events
-  Open/close events at specified landmarks or anywhere other than a specified landmark
-  Limits liabilities by reducing cargo theft and loss
-  Improves detection of tampering
-  Quick install in as little as 10 minutes
-  No wiring required
-  Install device then confirm operation using SkyBitz Tools
-  Protective bracket designed to absorb impact

Hardware Specifications

Physical

Dimensions (L x W x H):	8.2 x 3.5 x 0.88 in (208.2 x 88.9 x 22.3 mm)
Housing Material:	Valox 357U
Weight:	7 oz (198.4 g)
Mounting:	Stainless steel pop rivets – Internal mount to door frame
Supported Asset Types :	Trailers and containers with barn doors
“Make” Contact Distance:	1/4” Typical
“Break” Contact Distance:	3/8” Typical
Battery Life:	5 years minimum

Environmental

Operating Temperature:	-40°C to +70°C
Storage Temperature:	-55°C to +85°C
Vibration:	Random vibration from 10 to 500 Hz per MIL-STD-810G Figure 514.5C-1 “U.S. Highway Truck Vibration Exposure”
Humidity:	MIL-STD-810G, Method 5.4 for six full cycles as described in Figure 507.4-1
Shock:	Method 516.5 Procedure I using an impact having a shock response spectrum equal to that labeled “Functional Test for Ground Equipment” in Figure 516.5-8 of MIL-STD-810G
Drop:	MIL-STD-810G, Method 516.5, Procedure IV
Impact:	EN 60950-1:2006 clause 4.2.5
Salt Fog:	MIL-STD-810G, Method 509.4
Dust & Sand Bombardment:	MIL-STD-810G, Method 510.4
Dust/Water Ingress Protection:	IP67 under IEC 60529

Interfaces

Smart Sensor Tracking:	Door open/close notification
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Certifications

FCC: CFR 47 Part 15
Industry Canada
PTCRB
RoHS