



InSight
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Security
 Platform
 Specifications

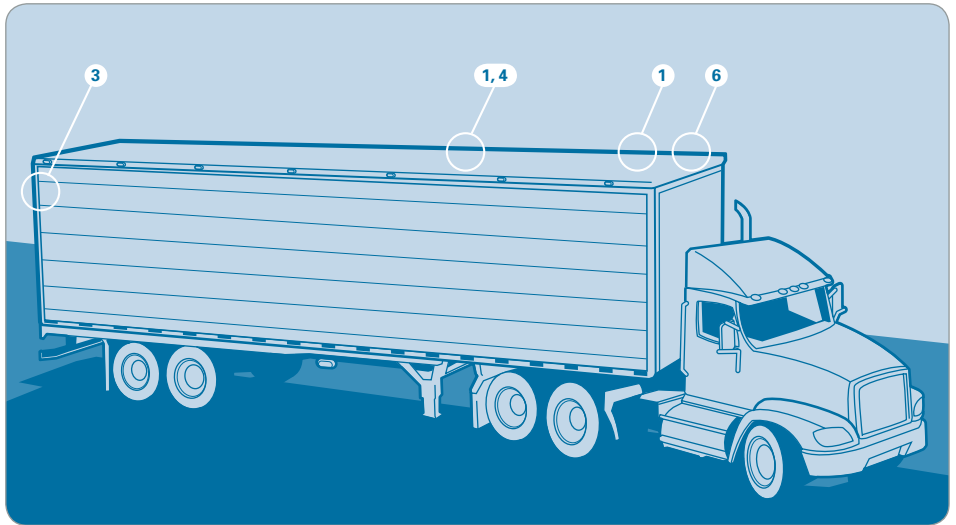
Package Components

Standard

1. Mobile Terminal
2. Mobile Terminal Mounting Bracket
3. Door Sensor
4. Junction Box
5. Installation Kit

Options

6. External Power Module & Trailer Tethered/Untethered Sensor (Optional)



Mobile Terminal

Frequency of Operation	L Band transmit and receive
Transmit EIRP	1 W
Dimensions	9 5/8" x 7" x 1" 244.48 mm x 177.8 mm x 25.4 mm
Power	Batteries: Internal—8 "AA" lithium primary cells, External—Regulated 6 V vehicle power Automatic sensing and switching to external power
Weight (w/batteries)	3 lb
Operating Temperature	-40 degrees C to 70 degrees C
Storage Temperature	-55 degrees C to 85 degrees C
Vibration	2 G rms, MIL-STD-810D, Method 514.4
Shock	30 G, MIL-STD-810D, Method 516.3, Procedure I
Salt Fog	General Motors Engineering Standards Corrosion Test, GM-9505P for duration of five weeks
Humidity	100% condensing
Water Immersion	1 meter, 30 minutes
Interface	15 pin connector, 2 open/closed switch connections, 2 open/closed control lines, RS-485 Interface
Mounting	Stainless steel mounting bracket bonded to trailer roof with 3M VHB tape

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Door Sensor

Type	Ferrous Proximity—Senses the presence of ferrous metal
Operation	Normally closed with door open
"Make" Contact Distance	1/2" typically
"Break" Contact Distance	5/8" typically
Hysteresis	3/64" typically
Bounce Time	1.5 mS max
Operating Life	10,000,000 operations
Temperature	-40 degrees C to 125 degrees C
Shock	30 G max
Mounting	Stainless steel pop rivets—Internal mount to door header

Junction Box

Dimensions	2.0" x 1.75" x 1"
Weight	1lb
Temperature	-40 degrees C to 70 degrees C
Vibration	2 G rms, MIL-STD-810D, Method 514.4
Shock	30 G, MIL-STD-810D, Method 516.3, Procedure I
Salt Fog	General Motors Engineering Standards Corrosion Test, GM-9505P for duration of five weeks
Humidity	100% condensing
Water Immersion	1 meter, 30 minutes
Mounting	Bonded to the trailer roof with 3M VHB tape

External Power Module and Trailer Tether

Functions	External power for mobile terminal, trailer tether/untether sense, door switch interface
Input	9–36 V DC from tractor
Output	6 V DC power to mobile terminal—Provides "tether" status
Internal Power	Power for door switch function—Internal battery pack of 3 "AA" lithium primary cells
Dimensions	2.5" x 5" x 1"
Weight	1lb
Operating Temperature	-40 degrees C to 70 degrees C
Storage Temperature	-55 degrees C to 85 degrees C
Vibration	2 G rms, MIL-STD-810D, Method 514.4
Shock	30 G, MIL-STD-810D, Method 516.3, Procedure I
Salt Fog	General Motors Engineering Standards Corrosion Test, GM-9505P for a duration of five weeks
Humidity	100% condensing
Water Immersion	1 meter, 30 minutes
Interface	J560 pin 7—Aux power or pin 5—Marker lights
Mounting	Bonded to the trailer roof with 3M VHB tape