ISS RFID Overhead-200





Benefits:

- Improved store aesthetics, by having a store entrance free from obstacles
- · Shrinkage reduction
- Minimization of false alarms with its beam steering technology
- Combination of loss-prevention and product identification in one system
- Provides data to detect which products suffer more theft attempts
- · Very quick detection
- · Continuous detection field
- One primary unit can be connected to a secondary unit, which reduces costs

Applications:

- Loss prevention at retail stores
- Loss prevention at warehouses

Product overview

ISS RFID Overhead-200 is an **overhead loss prevention system** based on RFID UHF that detects the tagged items that pass through an entrance, verifies if those items have been purchased, and triggers an acoustic and/or visual alarm if any item has not been purchased.

RFID Overhead-200 uses **multiple antenna beams** and **electronic beam steering** to detect which tagsare static and which are moving, avoiding false alarms.

RFID Overhead-200 can use four configurations for checking if a tagged item has been paid:

- · Checks the EAS bit of NXP chips
- Checks if the EPC code includes a pre-defined pattern that signals that the product has or not been paid
- Checks against the POS database if the product has been purchased
- Checks bulk theft: trigger an alarm if a certain number of tags are read in a certain time period (e.g. a few seconds).

RFID Overhead-200 uses **primary units** and **secondary units**:

- The primary unit has an integrated reader, antenna, controller, acoustic alarm and visual alarm.
- The slave unit comprises antenna and visual alarm.

One secondary unit can be connected up to one primary unit. This reduces costs for stores with wide entrances.



RFID Overhead-200 works with any hard and soft Gen2 RFID UHF tags. The tag chip and inlay chosen should provide a reading distance longer than the height at which AdvanSafe-200 will be installed in all tag orientations.

RFID Overhead-200 includes advanced processing techniques for minimizing false alarms.

RFID Overhead-200 can be ordered in 2 models:

- Suspended wires mount
- Ceiling mount



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Specifications

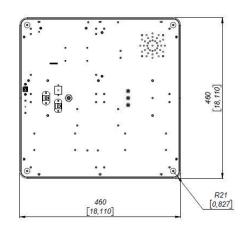
Operating Frequency FCC (902 - 928) MHz 8 - 10 ft (recommended) Maximum: 11.5 ft (Use maximum height with caution. Read distance depends highly on tag model and products being used) Radiation pattern Multiple beam Beam width 90° / 40° (surrounding widths of all beams) Polarization Circular Alarm Light Light Emitting Diode (LED) Alarm Audio Signal Buzzer Relay output Dry contact output 24 VDC / 0.5 A / Resistive load Alarm function Preset System gives audio and light alarm by detection of any of the EAS supported modes Power supply Power over Ethernet Energy Consumption < 14 W max., < 3 W idle Maximum 31,5 dBm Reader Power Recommended max. 30 dBm Radiated power 2 W ERP, 3.2 W EIRP Interface Ethernet and USB Temperature range -68°F to +131°F Suspension mount 460 mm x 460 mm x 65 mm 18.1 inches x 18.1 inches x 2.6 inches Ceiling mount 460 mm x 460 mm x 110 mm 18.1 inches x 18.1 inches x 4.3 inches Weight Primary unit: 11.6 lb Secondary unit: 10.2 lb		
Detection HeightMaximum: 11.5 ft (Use maximum height with caution. Read distance depends highly on tag model and products being used)Radiation patternMultiple beamBeam width90° / 40° (surrounding widths of all beams)PolarizationCircularAlarm LightLight Emitting Diode (LED)Alarm AudioSignal BuzzerRelay outputDry contact output 24 VDC / 0.5 A / Resistive loadAlarm function PresetSystem gives audio and light alarm by detection of any of the EAS supported modesPower supplyPower over EthernetEnergy Consumption< 14 W max., < 3 W idle	Operating Frequency	FCC (902 - 928) MHz
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	Color	Off white

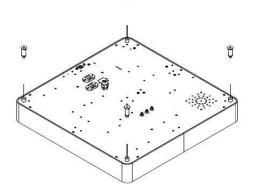
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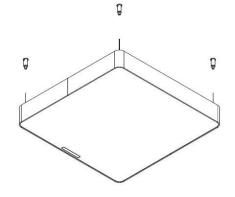


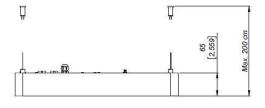


Mechanical specifications of the model with suspended wires









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