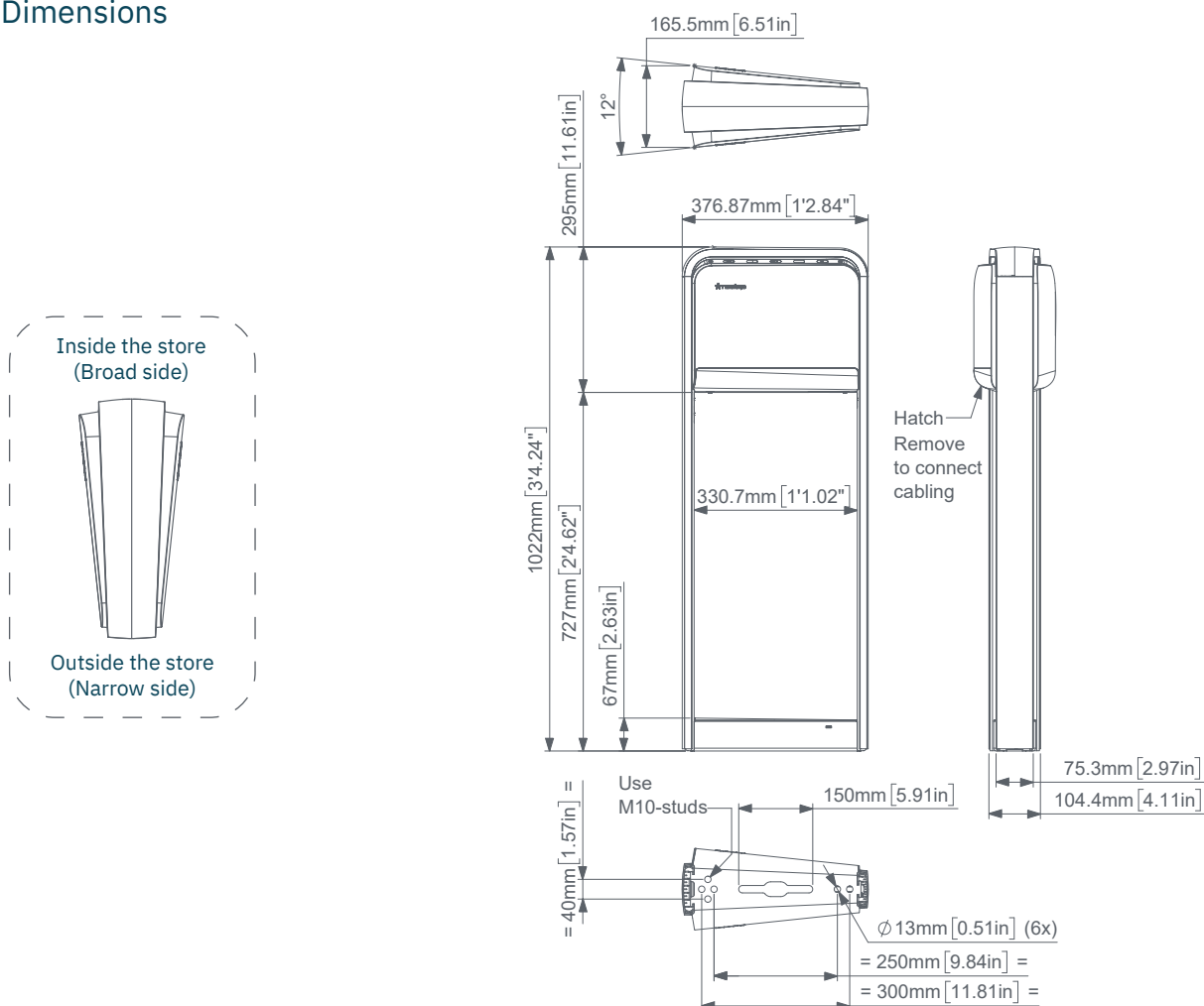


This stationary Anti-Pilferage System model: ASSY RA38S RFID is an Electronic Article Surveillance (EAS) system intended to be used in stores at check-out and store exits for detecting and reading of UHF RFID tags.

 Warning

This equipment should be installed, operated, serviced, and repaired by skilled personnel only. The installation and interconnection of this equipment to facility wiring and other equipment must be done by a competent, skilled craftsman who is familiar with applicable standards and codes governing the installation. Installation methods, practices or procedures that are unauthorized or done improperly are dangerous and could result in serious personal injury or damage to property and equipment.

Dimensions



Quick ref. : ASSY RA38S RFID IR R2 GREY

Nedap N.V.

Parallelweg 2, NL-7141 DC Groenlo, Netherlands

Mail: support-retail@nedap.com

dsgn : CvdB

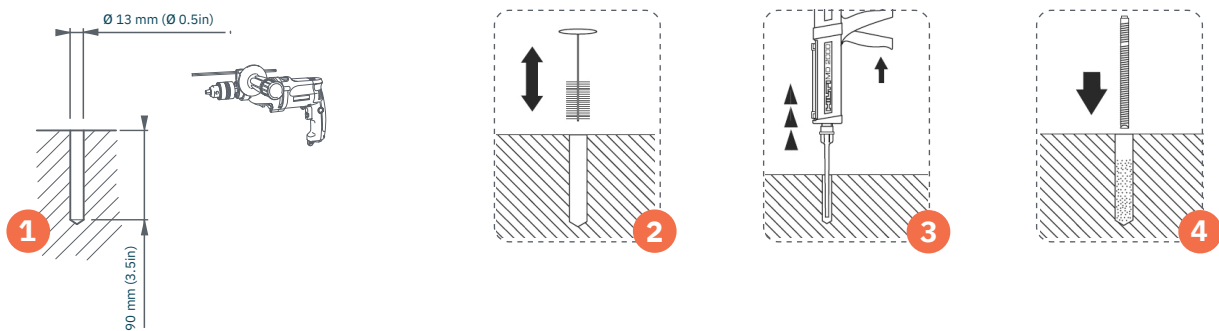
date : 15 May 2025 3:29 pm

item : 9567739



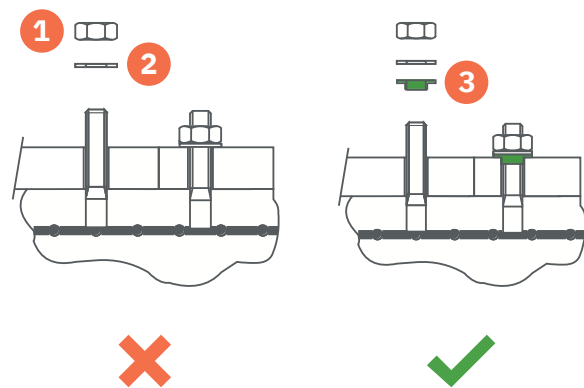
document: T9567739-45.01
revision : A.01

Drill the hole



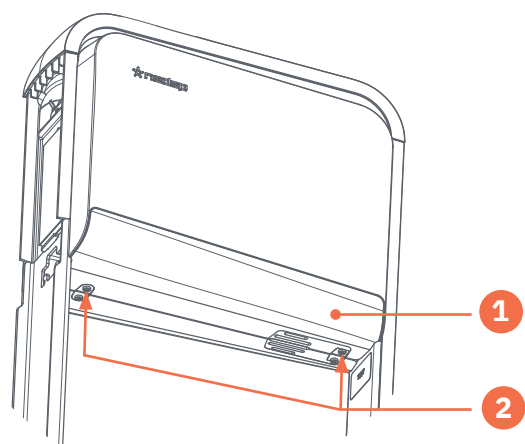
1. Drill the hole
2. Clean the hole
3. Insert Hilti-hit
4. Place the stud

Always use a nylon insulation ring



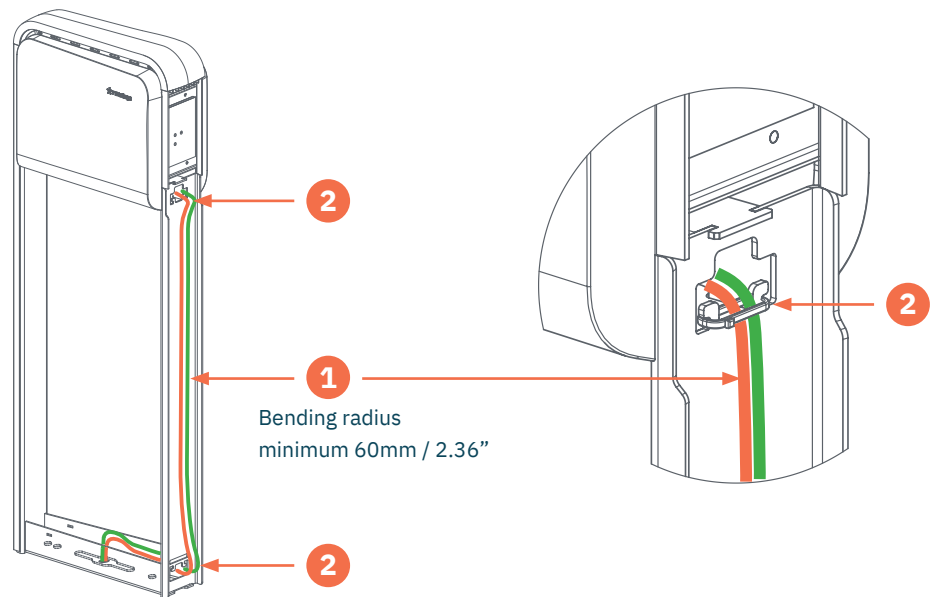
1. Nut M10 (not included in installation set)
2. Retainer ring M10 (not included in installation set)
3. Nylon insulation ring M10 (included in installation set)

Remove screws from cover (Electronics)



1. Cover electronics
2. Screw M4x10 (TORX 20)

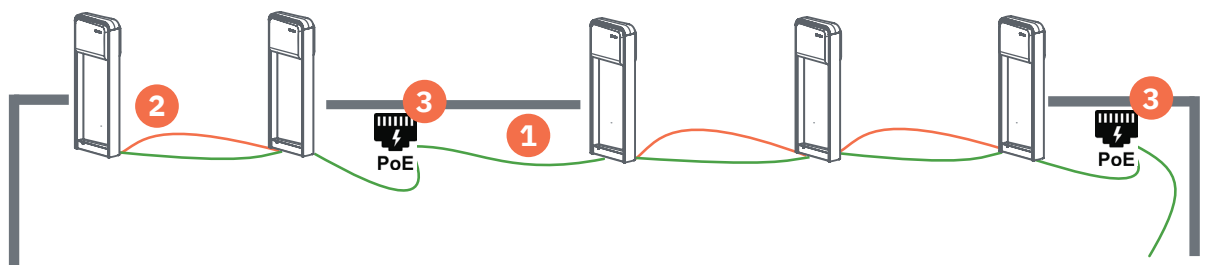
Cable length from ground to Sonor unit



1. Cable length IN - approx. 1200mm (4 ft)
Cable length OUT - approx. 1200mm (4 ft)
2. Fix cables with cable ties

Cabling

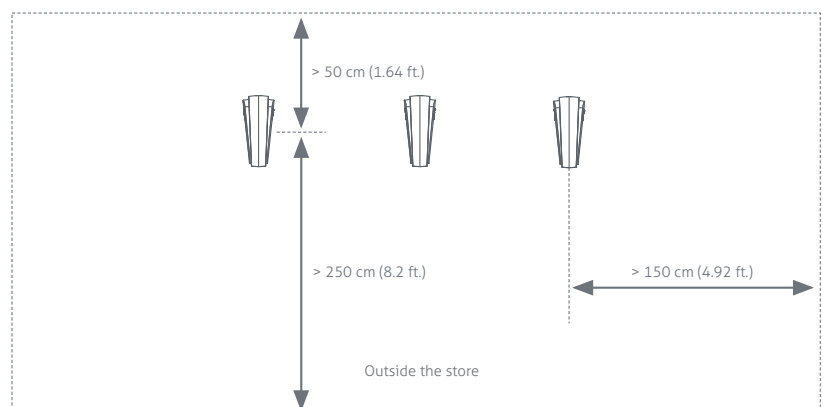
Max three gates per powersupply.



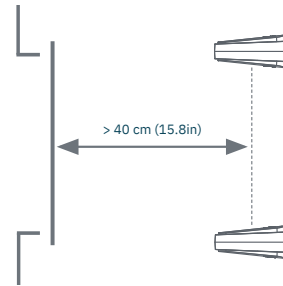
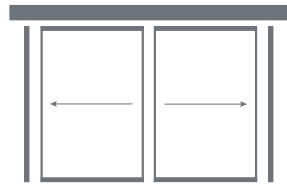
1. Ethernet cable (Not included)
2. RFID coaxial cable (Not included)
3. 56Vdc PoE 90W (class 8) IEEE802.3bt - type 4 compliant with - local EMC and safety regulations (Not included)

Label free zone detection

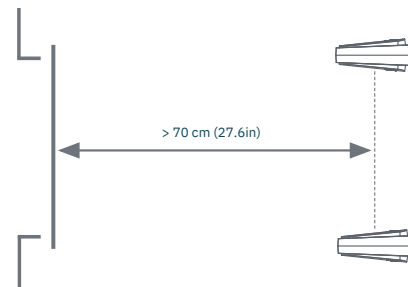
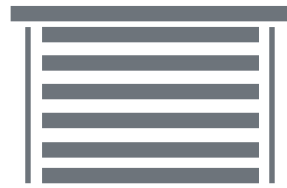
There is a field around the gate.



Distance to sliding door

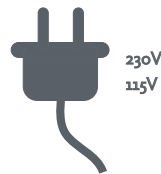


Distance to roller shutter



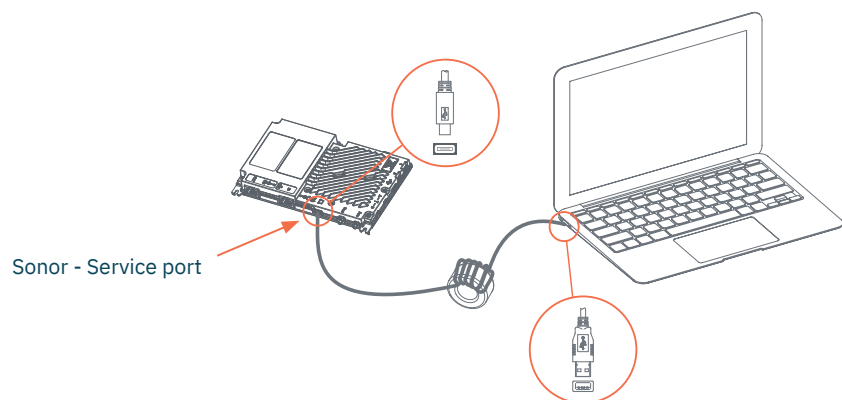
Power system

Plug the Power Inserter into the socket.



NOTE:
Start up takes
approximately 3 minutes.

Connecting a laptop to the first Sonor unit



Attach your laptop to one of the Sonor units with a USB-C cable.
Open the browser on your laptop and go to:

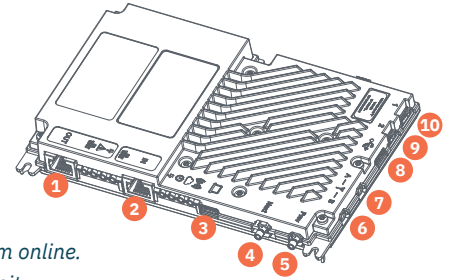
<http://192.168.133.1>

Sonor

External connectors

1. Network & Power OUT
2. Network & Power IN
3. USB-C service port
4. RFID Next connector
5. RFID Previous connector

Connect to the next Sonor unit or power supply.
 Connect to the previous Sonor unit or power supply.
 Connect to a laptop (temporarily) to bring the system online.
 Connect to the (RFID prev. port of the) next Sonor unit.
 Connect to the (RFID next port of the) previous Sonor unit.

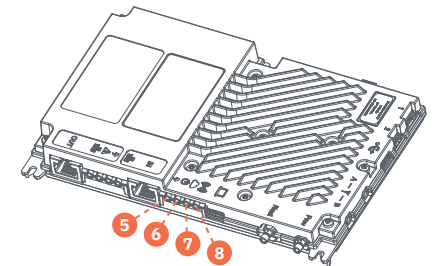
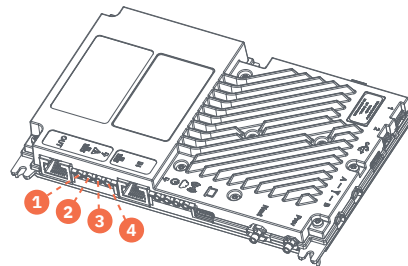


Internal connectors

6. RFID antenna B
7. RFID antenna A
8. USB-C add-on
9. Signaling PCB connector
10. RFID data connector

Connect to an RFID antenna (optional, depending on the product)
 Connect to an RFID antenna (RF signal)
 Connect to Sonor accessories (optional)
 Connect to signaling PCB for lights / sounds / customer counting
 connect to an RFID antenna (data connection)

Status LEDs Sonor



	1. Link out	OFF Green Blinking	No network activity over the OUT connector. Network activity over the OUT connector.
	2. Power out fault	OFF Red ON Red Blinking fast (250ms on, 250ms off) Red Blinking short on (250ms on, 1750ms off)	Power out functioning correctly. Too much current drawn. Short circuit detected. Low voltage detected.
	3. Power out Status	OFF Blue ON Blue Blinking (500ms on, 500ms off) Blue Blinking short on (250ms on, 1750ms off)	Device not receiving power. Delivering power to the next device. Looking for another device on the out port. No more power available to power another device.
	4. Link in	OFF Green Blinking	No network activity over the IN connector. Network activity over the IN connector.
	5. Power	OFF Orange ON Orange Blinking short on (250ms, 1750ms off)	Sonor has no power. Sonor is powered. Sonor is sleeping.
	6. Operating system state	OFF Blue ON Blue Blinking Green ON Orange ON Red Blinking	Sonor unit has no power. Starting boot sequence. OS is booting. OS has booted and all services are running. OS failed to boot repeatedly. OS has booted but at least one service has failed to start.
	7. DM connection	OFF Green ON (only on the first Sonor in the system)	Device management connection is not configured or the unit has a network error (only functional on the first Sonor unit in the system) System is connected to Device Management (DM).
	RFID active	OFF Blue ON Blue Blinking	RFID strategy is not active or reader error. RFID strategy is active. RFID strategy is active, and receiving tag read(s).

Warranty and spare parts

Please consult the Nedap products dealer from whom you purchased this product, in regards to the applicable warranty conditions. This product cannot be used for any other purpose as described in this document. If the product is not installed according to this document; the warranty provided is not applicable. At the sole discretion of Nedap N.V., Nedap N.V. may decide to change the conditions of the Page 7 of 19 Compliance information for technical manuals warranty policy. You agree that Nedap N.V. is able to compensate you the pro-rata value of the warranty involved rather than replacing or repairing the product depending on the technical or economical value of the product. Prior to applying the warranty, please verify if you comply with the warranty conditions of the warranty policy, whether you can successfully apply for the replacement or repair of a defective part. Parts can only be replaced with original Nedap parts, otherwise the warranty policy will not be applicable on the product. If the warranty is applicable, please contact the dealer or send the defective parts to the dealer.

Disclaimer

Nedap N.V. has made every effort to ensure the accuracy of the information contained in this document. However, Nedap N.V. makes no representations or warranties whatsoever whether express or implied as to the accuracy, correctness, completeness or fit-for-purpose or suitability for the purpose of this product. You use the products at your own risk. Nedap N.V. excludes any liability to the maximum extent permitted by applicable law for the damages caused by errors or failures made during the installation or improper use of this product or by not applying the instructions stated in this document.

Nedap N.V. reserves the right to make improvements or amendments to this document and/or the products described therein at any time without any notification. The latest version of this document can be found on the Retail portal (<https://portal.nedapretail.com>). Please download the latest version of this document and keep a copy for your own records.

This document can be published in various languages but only the English language version will prevail. Nedap N.V. assumes no responsibility for any errors caused for the translations into another language.

Health and safety precautions

Keep a distance of at least 20cm to the EAS gates especially for bearers of medical devices (pacemaker, cochlear implants, etc.) to avoid potential interference with the medical devices.

User manual

The complete instruction manual can be found at <https://portal.nedapretail.com/>

Disposal of this product



The owner or last user of this product is responsible for proper disposal of (parts of) the product as required by local rules and regulations.

FCC and IC Compliance statement

This device complies with part 15 of the FCC Rules and to RSS-247 of Industry Canada. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Cet appareil se conforme aux normes CNR 247 exemptés de license du Industry Canada. L'opération est soumise aux deux conditions suivantes:

- (1) cet appareil ne doit causer aucune interférence, et
- (2) cet appareil doit accepter n'importe quelle interférence, y compris interférence qui peut causer une opération non pas voulu de cet appareil.

Les changements ou modifications n'ayant pas été expressément approuvés par la partie responsable de la conformité peuvent faire perdre à l'utilisateur l'autorisation de faire fonctionner le matériel.

FCC and IC Radiation Exposure Statement

This equipment complies with FCC and Canadian radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 40 cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Cet équipement est conforme a CNR-102 limites énoncées pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec une distance minimale de 40 cm entre le radiateur et votre corps. This Class B digital apparatus complies with Canadian ICES-003 Cet appareil numérique de Classe B est conforme à la norme Canadienne ICES-003.

FCC Information to the user

Note: This equipment has been tested and found to comply with the limits for a class B digital devices, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequent energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does not cause harmful interference to radio or television reception, which can be determine by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: Reorient or relocate the receiving antenna. Increase the separation between the equipment and receiver. Connect the equipment into an outlet on a circuit different from that to which the receiver. Consult the dealer or an experienced radio/TV technician for help.

NOTE: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. To ensure compliance with FCC regulations, use only the shielded interface cables provided with the product, or additional specified components or accessories that can be used with the installation of the product.

Specifications

Brand	- Nedap
Model	- ASSY RA38S RFID
Power Supply	- 56Vdc PoE 90W (class 8) IEEE802.3bt
	- type 4 compliant with
	- local EMC and safety regulations.
Power consumption	- Max. 21.3W
Dimensions	- 1022mm x 376.9mm x 165.5mm
Weight	- 10.1kg
FCC ID	- CGDRA38SRFID
IC	- 1444A-RA38SRFID
PMN	- ASSY RA38S RFID
HVIN	- ASSY RA38S RFID

Operating temperature	- 0°C - 45°C
Mounting	- Floor mounting
Signaling	- Audible and multi color light
Region 2 frequency band	- 902 - 928 MHz
Channels, spacing, power	- 50, 500kHz, 3W EIRP
Antennas	- All internal

