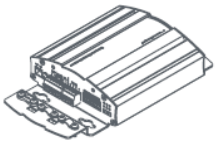
nedap UNIT SD02 RF Smart Deactivator User Manual

Contents

nedap UNIT SD02 RF Smart Deactivator

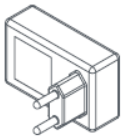
IN THE BOX



1x | smart deactivator

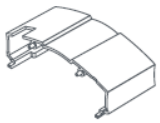
1x | 4-pole antenna connector

1x | connector housing



1x | power supply

(incl. adapters EU, UK, CN, US)



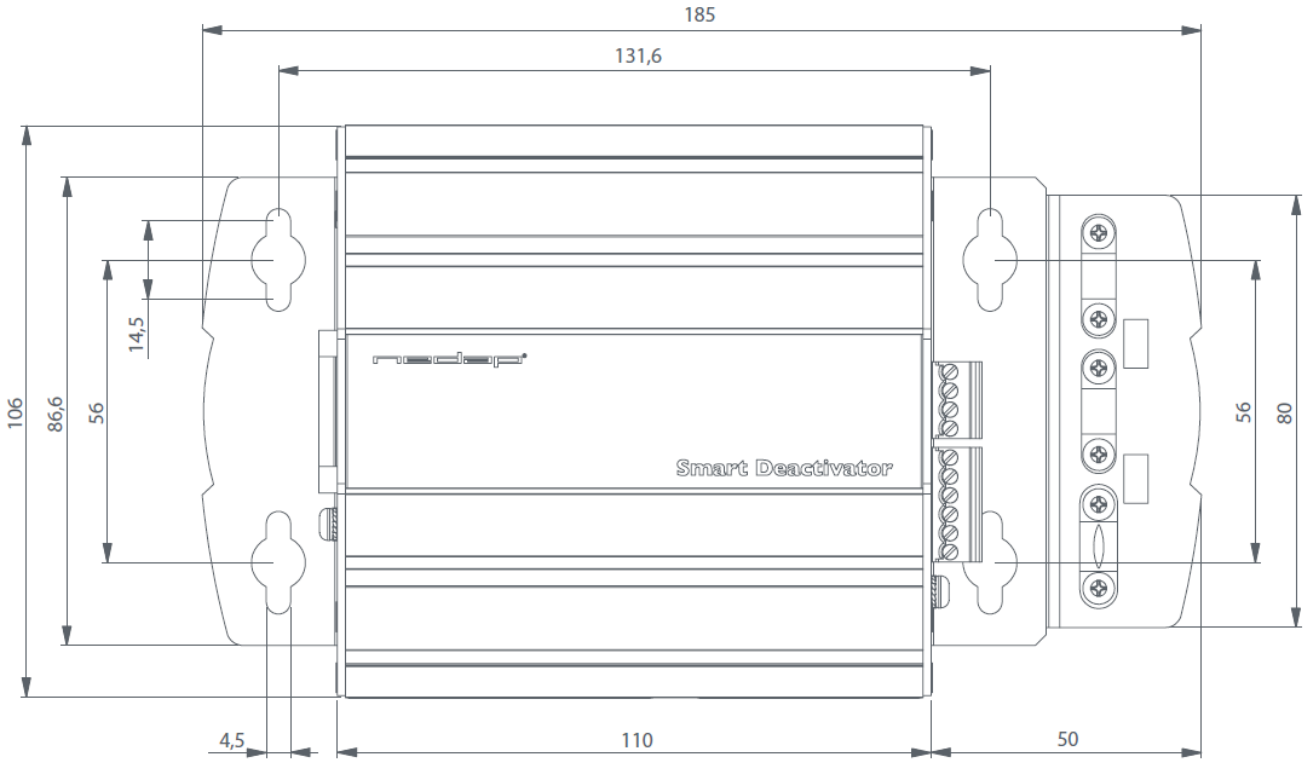
1x | cover

Intended use

The Smart Deactivator model: SMART DEACT is an Electronic Article Surveillance (EAS) system intended to be used in stores at check-out counters for deactivating 8.2MHz anti-theft alarm 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 craftsperson 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.

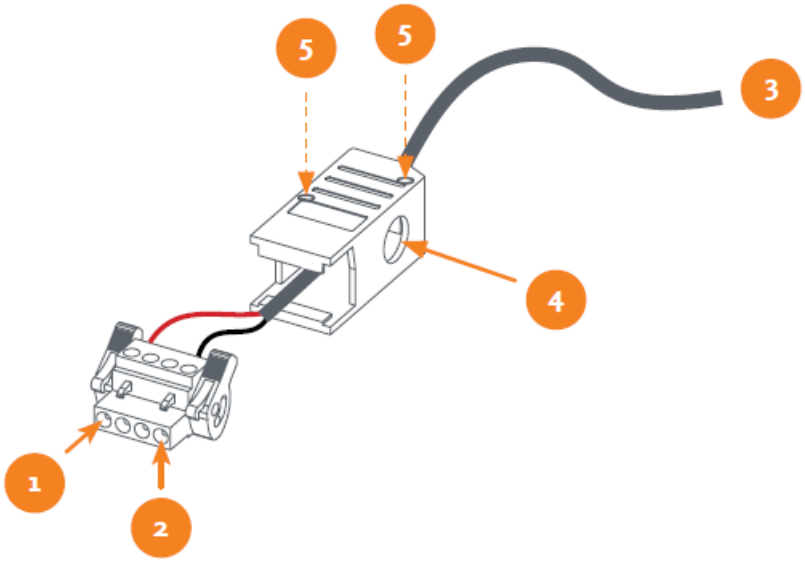
dimensions



Nedap N.V.
Parallelweg 2, NL-7141 DC Groenlo (The Netherlands) Mail: support-retail@nedap.com

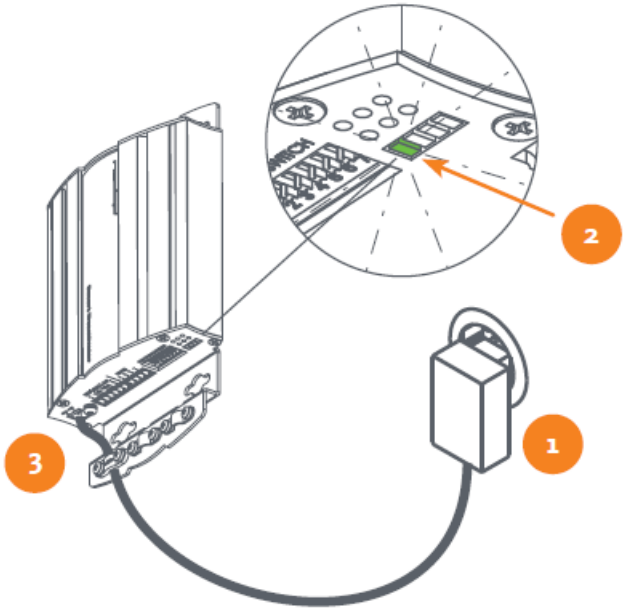
document : T9200002-45.01
revision : B.08

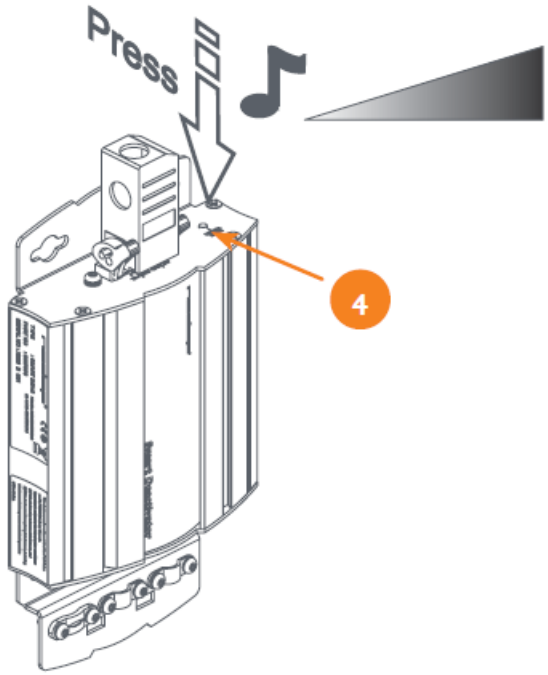
connect deactivator antenna cable to antenna connector



1. Antenna wire red
2. Antenna wire black
3. To deactivator antenna
4. Fix cable with tie-wrap
5. Screw (2x)

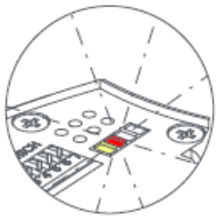
connect to power 100-240V





1. Power supply
2. Lamp green on
3. 2-pole Connector from power supply
4. Volume button

beeper sound (standard sound)



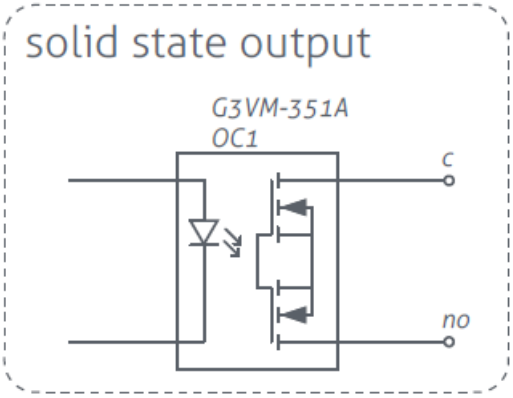
deactivation

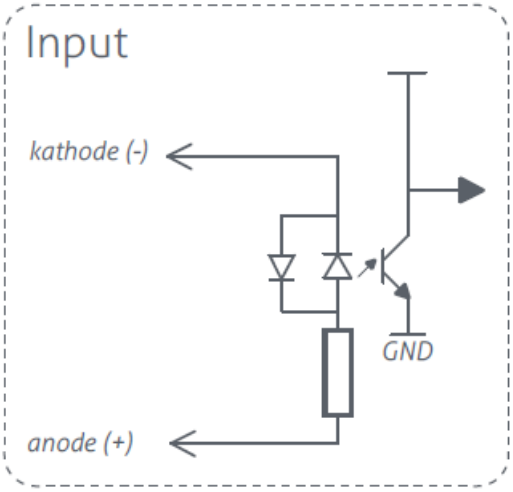
Beeper

detection

connector explanation

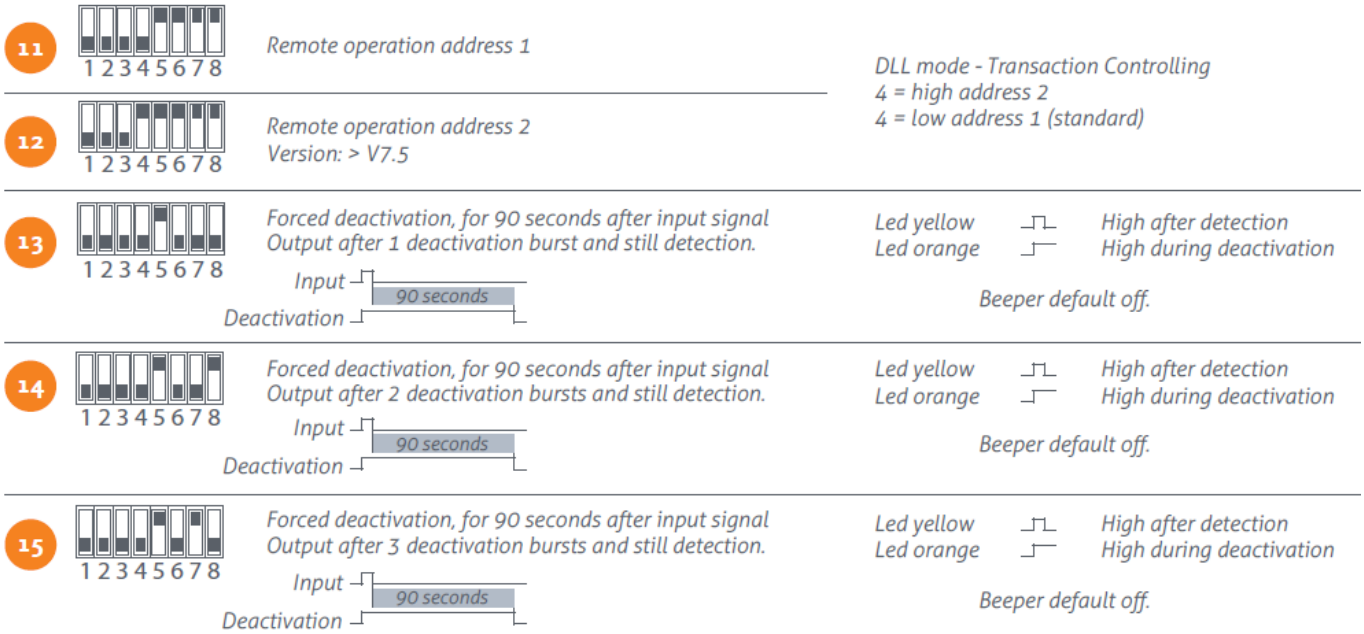
GND	*Power connector Ground*	*Voltage ripple <125mV*
+12V	*Power connector +12VDC*	
LED +	*Led output connector + The led will flash 3x at deactivation*	
LED -	*Led output connector -*	*and once on detection.*
Out C	*Output Common*	*Solid state output (max 120mA)*
Out NO	*Normal open*	
Inp A	*Input anode*	*0 - 12V*
Inp K	*Input Kathode*	*High signal, input >2V*
+12V	*+*	*It is possible, by using a special*
RS485 A	*RS485 connector A*	*RS485 converter and software, to*
RS485 B	*RS485 connector B*	*adjust some settings.*
GND	*-*	



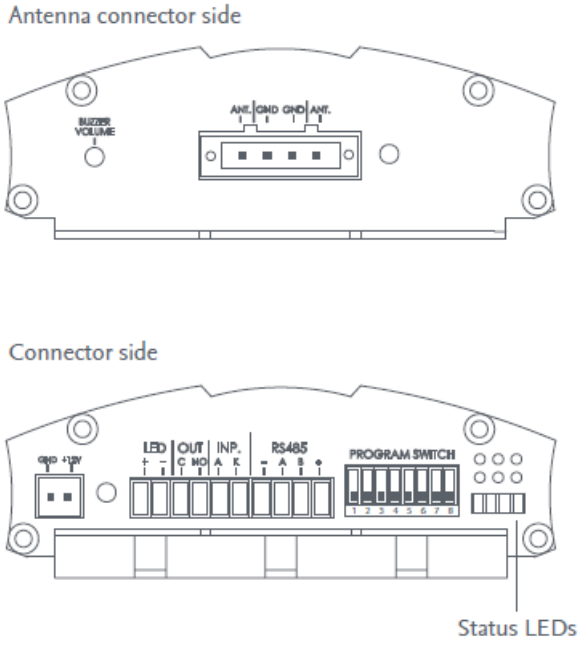


program switch settings

1	1 2 3 4 5 6 7 8	Standard mode	Led Yellow Led Orange	Low after deactivation High at input signal
2	1 2 3 4 5 6 7 8	Line Termination RS485		
3 *	1 2 3 4 5 6 7 8	Detect only mode	Led yellow Led orange	Low after detection Flash
4	1 2 3 4 5 6 7 8	Output ⎍ after 10 seconds of detection	Led yellow Led orange	High after 10 seconds detection Not used
5 *	1 2 3 4 5 6 7 8	Forced deactivation, for 90 seconds after input signal 90 seconds	Led yellow Led orange	High after 10 seconds detection High during deactivation
6	1 2 3 4 5 6 7 8	Input used as switch for buzzer volume	Led yellow Led orange	Low after deactivation High at input signal
7	1 2 3 4 5 6 7 8	Counting output inverted - Standard mode	Led yellow Led orange	High pulse after deactivation Not used
8 *	1 2 3 4 5 6 7 8	Detect only - Output inverted	Led yellow Led orange	High pulse after detection Flash
9 *	1 2 3 4 5 6 7 8	Deactivation only if input is high	Led yellow Led orange	High pulse after detection High during deactivation
10	1 2 3 4 5 6 7 8	High = Low sensitivity Low = Standard sensitivity		



connectors from smart deactivator

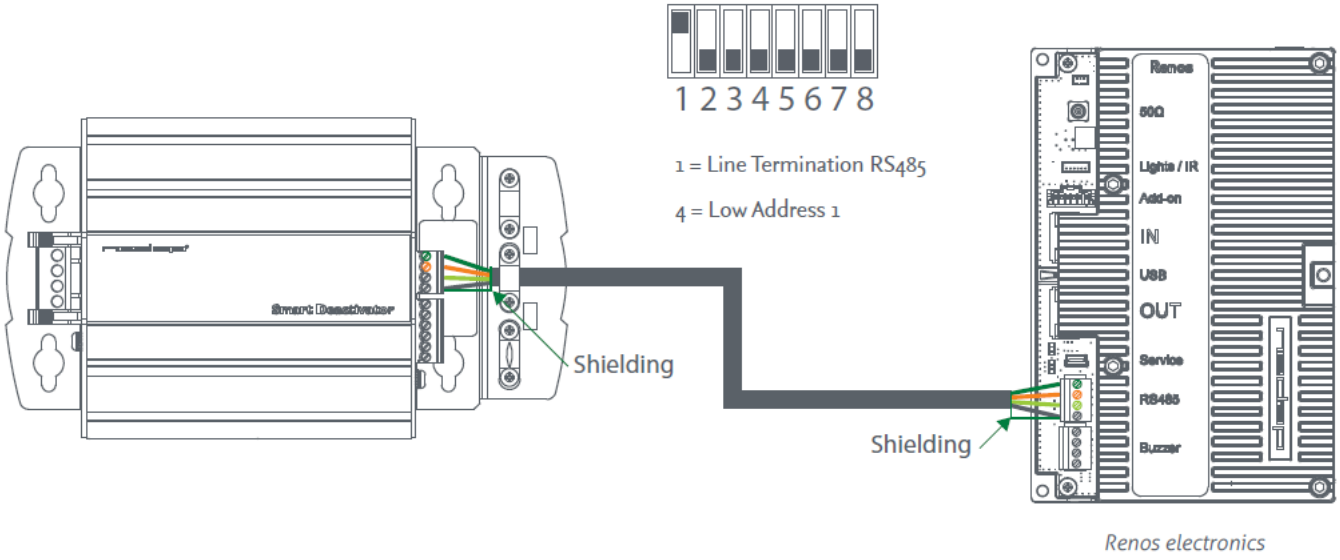


Status LEDs

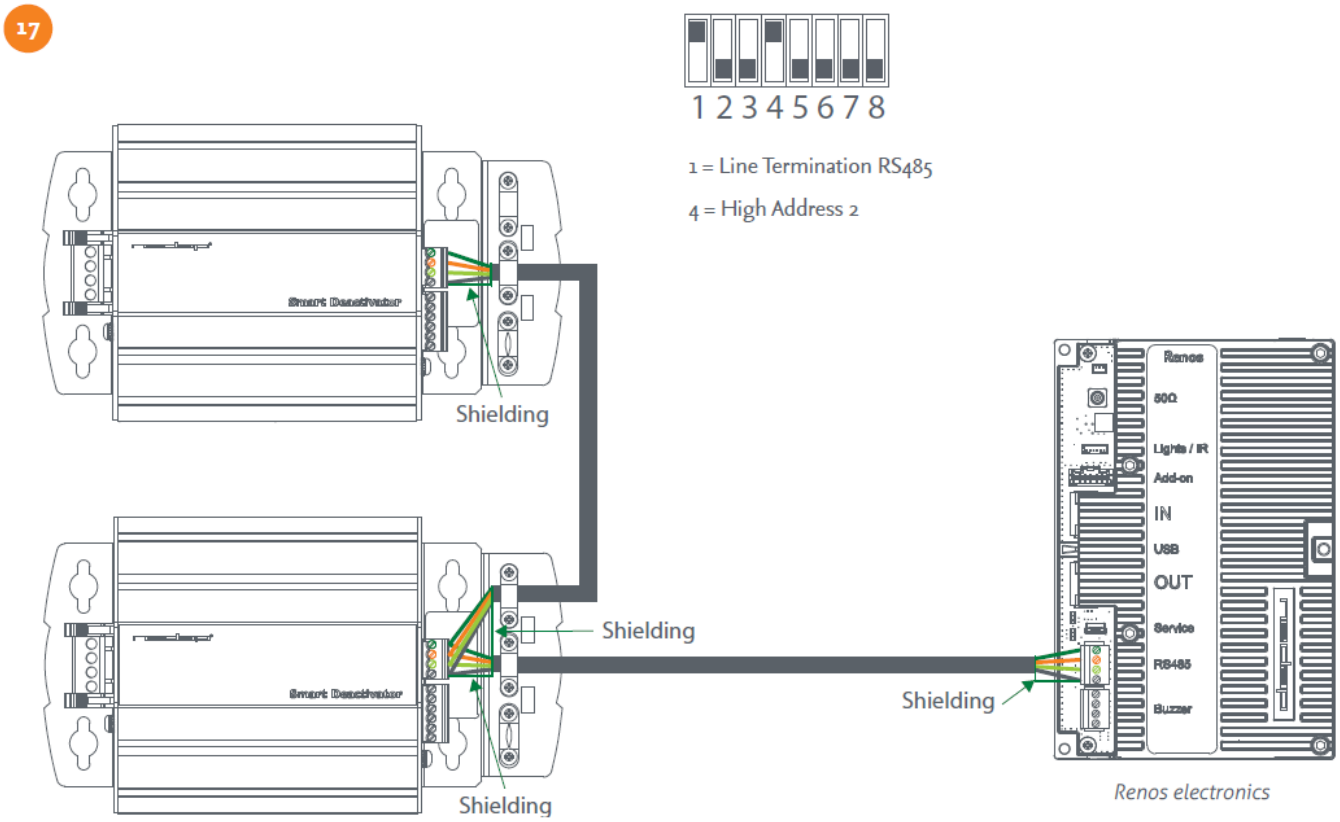
- Green = Power
- Red = Label detected – 1 flash (Standard mode) Label deactivated – 3 flashes (Standard mode)
- Yellow = Output LED
- Orange = Status LED

  Depending on dipswitch settings, LED behaviour can be different. (See settings below)

settings only for use with iSense (Version: > V7.6)



Renos RS485		Smart deactivator RS485
+12V	è	+
A	è	B
B	è	A
GND	è	–



Use shielded four-wire cable (e.g. Unitronic LiYCY 4×0,25 for a maximum length of 25m, or LiYCY 4×0,50 for maximum length of 50m)

Disclaimer

Nedap intends to make this manual accurate and complete. However, Nedap does not warrant that the information contained herein covers all details, conditions or variations, nor does it provide for every possible contingency in connection with the installation or use of this product. Nedap disclaims any liability for damage to property or personal injury resulting, in whole or in part, from improper installation, modification, use or misuse of its products. The information contained in this document is subject to change without notice.

FCC and ISED Compliance statement

This device complies with part 15 of the FCC Rules and this device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). 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.

FCC and IC Radiation Exposure Statement
This equipment complies with FCC and Canadian radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
This Class B digital apparatus complies with Canadian 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.
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. FCC ID: CGDSMART DEACT
IC:1444A-SMARTDEACT

CE Declaration of Conformity

Hereby, Nedap N.V. declares that the radio equipment model SMART DEACT is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: **https://portal.nedapretail.com/**
Singapore Compliance

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.

User manual
The complete instruction manual can be found at **https://portal.nedapretail.com/**

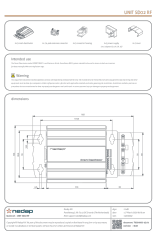
ISED Information to the user
This radio transmitter [1444A-SMARTDEACT] has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.
The following antenna models can be installed/connected to the Smart Deactivator.

1. SDA-265×265
2. DAPL 275×275
3. MG9800I
4. NCR7878-5000
5. HN24-000002

Specifications

Power Supply	*100-240Vac Power adapter, 0.6-0.3A, 50-60Hz 12Vdc, 2A, 24W max.*
Dimensions	*185mm x 106mm x 37mm*
Weight	*800gr*
Output Power (8.2MHz)	*Max 9 dBµA/m @ 10m*
Frequency Band (8.2MHz)	*7.4 – 8.8MHz*
Modulation	*Frequency Sweep*
Antenna type	*Inductive loop*

Documents / Resources

	**nedap UNIT SD02 RF Smart Deactivator** [pdf] User Manual SMARTDEACT, CGDSMARTDEACT, UNIT SD02 RF, Smart Deactivator, Deactivator, Deactivator Device

References

- **Home - Nedap Retail Portal**