

D-TECT

Serial bus radio interface User manual NE41 08002-02 v2.2 Information in this User manual is subject to change without notice.

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EU Notes

When the device is used it complies to essential requirements and relevant provisions. A complete Declaration of Conformity can be obtianed from the address below (see "Contact")

US Notes

ECC ID: 24GLE0701404

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

This device complies with part 15 of the FCC Rules. 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.

NOTE: This squipment has been tested and found to comply with the limits for a class a flight device, pursuant to part 15 of the FCC Must. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency 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 seriese to radio reflexion more expensive of the control of the contro

- · 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 is connected.
- . Consult the dealer or an experienced radio/TV technician for help



Ulrik Lundberg Managing director

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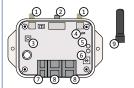
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1 x This user manual

Should any part be missing, please contact your distributor.

Hardware overview



Denomination

1	Antenna connector x 2
2	Power switch
3	Not used
4	Jumper J1
(5)	LED x 2

- Rotary switch
- ② AC/DC adapter connector
- 8 Serial bus connector x 2
- 9 Antenna x 2

Installation

 Open the cover and select the bus addres by turning the rotary switch to the desired address value, 1-9 or A-F.



The value of the rotary switch must be set to other than 0 (zero) for the unit to work!

- 2. Close and fasten the lid using the screws supplied.
- 3. Connect the antennas by screwing them into the antenna connectors.
- 4. Mount the D-TECT unit in an appropriate place.
- Connect one or two cables for the serial bus and central power supply to the two connectors marked <u>Bus</u>.
- If no central power supply is used, connect an AC/DC-adapter to the jack marked <u>DD</u>. Then connect the AC/DC adapter to a mains outlet in the apartment.



Only use AC adaptor for your region, see Technical Data.

7. Turn on the D-TECT unit with the power switch marked **DN DFF**.

LEDs

The green LED marked Power burns with a steady light when the unit is powered on.

The red LED marked ACTIVITY blinks to indicate that D-TECT is communicating on the serial bus.

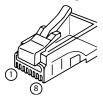
If both the red and the green LED is blinking in phase with each other, the D-TECT unit is not working properly. Please contact NEAT Electronics or your local distributor.

Jumper J1

Jumper J1 is a 100 Ω termination of the serial bus and must be mounted on the **LAST** D-TECT if the total length of the serial bus is > 500m.

Connection

The serial bus cable is connected as shown in the image below.



Connection

1	RS-485 bus, wire A (-)
2	RS-485 bus, wire B (+)
3	Not connected
4	24 V _{DC}
(5)	Common ground
6	Not connected
7	24 V _{DC}
8	Common ground

Important

Safety Notes

- · Read instructions prior to use
- Always test the system per instructions prior to use and always check the function of the product after making adjustmentsThis product may not be suitable for all persons.
- This product should not be a substitute for the routine visual monitoring protocol by caregiver and must not be used in situations where a delay in the arrival of appropriate medical care, could lead to a potentially life-threatening situation.
- Our units are NOT intended for any life support device, thus intending a device whose malfunction may result in damage to a life.
- Check the device regularly and replace when necessary.
- necessary.

 Do not integrate to other systems other than
- The product will not cause electromagnetic disturbances under normal working conditions

those specified in this document.

- The product can be placed near other products or devices as long as mechanical vibration is not present.
- Remove batteries if the unit is to be out of use or stored for an extended period of time.

Use

- · Use only original parts.
- · Keep away from dust, moist and dirt.
- · Do not drop, knock, twist or shake the device.
- · Do not warm up the device or use it near fire.
- The product may not be painted.
- · For repairs, contact a NEAT dealer.

Cleaning

- All parts in the product kit can be cleaned with a mild soap solution and a damp cloth. Dry with a dry cloth.
- Strong chemicals, grease and other harsh substances must not be used when cleaning or handling the parts in the product kit.
- The product must be disconnected from the power socket before cleaning.
- After cleaning, control that the product works properly by sending a test alarm to the alarm receiver/central.

Disposal

At the end of the product's use life, please dispose of it at appropriate collection points provided in your country. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance (EIA, www.eiae.org). In the European Union, the bin label indicates that this product should not be disposed of with household waste. It should be deposited at an appropriate facility to enable recovery and recycling or returned to NEAT Electronics.

Technical data

Power supply	10-24 VDC, 3W		
Power comsumption	125 mA @ 24 VDC		
Measures (W x H x D)	111 x 67 x 28 mm (111 x 111 x 28 incl. antennas)		
Weight	105 g (incl. antennas)		
Temp. range	+5- +55oC		
RF-Frequency	EU	US	
	869.2 MHz (Social alarms) Category 1	916.2 MHz	
	869.4 MHz	916.4 MHz	
Bandwidth	25 kHz		
Serial bus type	RS-485 multi drop		



The frequencies for each market are programmed during production and not changeable by the user.

Recommended AC Adaptors

Country/region	Article number
EU	NE31 07010-01
UK	NE31 07010-03
US	NE31 07010-02

