

D-TECT IP

Radio interface for Ethernet

User manual

NE41 15012-02 v1.2

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Document number: NE41 15012-02 v1.2

Revision date: 2019-06-04

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Declaration of Conformity

Hereby NEAT Group declares that the radio equipment D-TECT IP is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address:

<http://www.neat-group.com/downloads/documentation>



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1. General

D-TECT IP is an Ethernet based radio interface intended to be used together with D-SERVER from NEAT Electronics. The unit can be powered directly from a PoE switch or from an AC adapter, art. no: NE31 03001-01.

2. Hardware overview



Denomination

1	DC in
2	LAN PoE
3	Lid
4	Lid screw
5	Reset button
6	LED

3. Installation

The unit can be powered either from a PoE switch or from a AC/DC adaptor.

4. Connect the LAN cable from the switch to connector 2.
 - If the units starts up, the switch has PoE capability and no AC/DC adaptor is required.
5. If the unit doesn't start up the switch has no PoE capability and an AC/DC adaptor is required.



Only use AC adaptor with part number: NE 31 03001-01 (Eurostick).

6. Mount the unit on the wall by using screws in the key holes on the bottom side. The distance between the screws must be 90 mm. A good place to mount the unit is just below the ceiling and letting the cables go upwards to the ceiling.

7. Configuration

The unit is normally configured with a static IP-address 192.168.0.1. If the unit should use dynamic address distribution (DHCP) it's possible to ping the unit's NetBIOS name. Then the name is then **dipxxxx**, where xxxx is the unit's serial number (found on the bottom label).

For advanced configuration, access the unit from a web browser, i.e. enter `http://192.168.0.1` in the address field.

8. LEDs

LED on means the unit is up and running and there is a TCP connection to the D-SERVER.

A flashing LED means there is no connection to the D-SERVER or another problem, e.g. no IP-address in the unit.

9. Reset button

The reset button works in two different ways, depending on whether the device is powered on or not.

When the device is already powered on

Press time Action

0 - 10 s	Normal reboot
10 - 20 s	Reset network parameters to factory settings

During power on

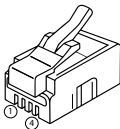
1. Unplug the power (AC or PoE).
2. Push the reset button and keep pressing while connecting power (AC or PoE).
3. Keep pressing the reset button according to the table below for appropriate action.

Press time Action

0 - 5 s	No action
5 - 15 s	Bootp
15 - 35 s	Reset all parameters to factory settings

4. DC Connection

The DC cable pins has meaning according to below.



Connection

1	DC _{IN}
2	Not used
3	Not used
4	Ground

5. Important

5.1 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.

5.2 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, alcohol, 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.

5.3 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 adjustments.
- This 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.
- Do not integrate to other systems other than those specified in this document.
- The product will not cause electromagnetic disturbances under normal working conditions.
- The product may be placed near other products or devices as long as mechanical vibration is not present.

5.4 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.

6. Technical data

Measures (W x H x D)	110 X 113 X 32 mm
Weight	120 g
Power supply	7.5V _{DC} , 0.45A
Power consumption _{max}	3.3 W
Ethernet	10/100 Mbit/s
Power over Ethernet	Class 2 (3.84 - 6.49 W) Mode A & B
Temp. range	+5 - +55oC
Frequency _{RF} - EU	869.200 - 869.250 MHz (Social alarms) Category 1 869.400 - 869.450 MHz (Social alarms) Category 2
Frequency _{RF} - Other*	866,868, 906, 916, 921 MHz
Transmit power _{max} - EU	869.2 MHz - 10 mW (EIRP) 869.4 MHz - 500 mW (EIRP)
Transmit power _{max} - Other	According to local regulations
Bandwidth	25 kHz

* According to local regulations for social alarms.

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