

ping2
network module

The logo for the ping2 network module. The word "ping2" is written in a bold, lowercase, sans-serif font. The "2" is significantly larger and is contained within a dark grey rounded square. Below the "ping" part of the word, the words "network module" are written in a smaller, lowercase, sans-serif font.

INSTALLATION MANUAL | EN

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INTRODUCTION

Network module "Ping2" is intended for connection of KOMFOVENT air handling units to the computer network (Ethernet) or another network ("RS-485"). If "Ping2" module is not added by factory, it can be installed on each air handling unit (AHU) with C3 or C4 controller. For this case user need to have installation kit:

1. Network module ("Ping2").
2. Additional connection cable (5 m.).
3. Installation Manual.

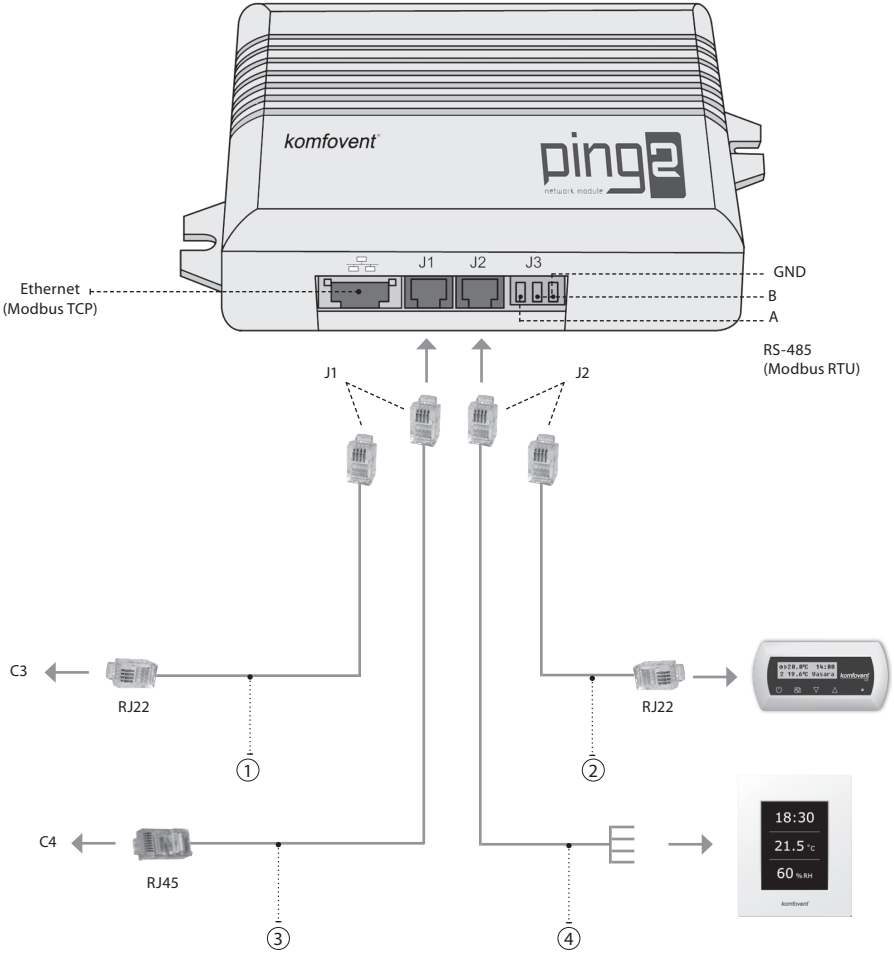
1. NETWORK MODULE INSTALLATION

1. Network module can be installed provided place under given following conditions:
 - ambient temperature range 0 °C ... 40 °C;
 - relative humidity limits 20 % ... 80 %;
 - protection must be ensured from accidentally vertically falling water drops (IP X2).



Cable length between AHU and "Ping2" module can't exceed more then 50 m with type $4 \times 0.22 \text{ mm}^2$ or not more 100 m with type $4 \times 0.35 \text{ mm}^2$.

2. NETWORK MODULE CONNECTIONS

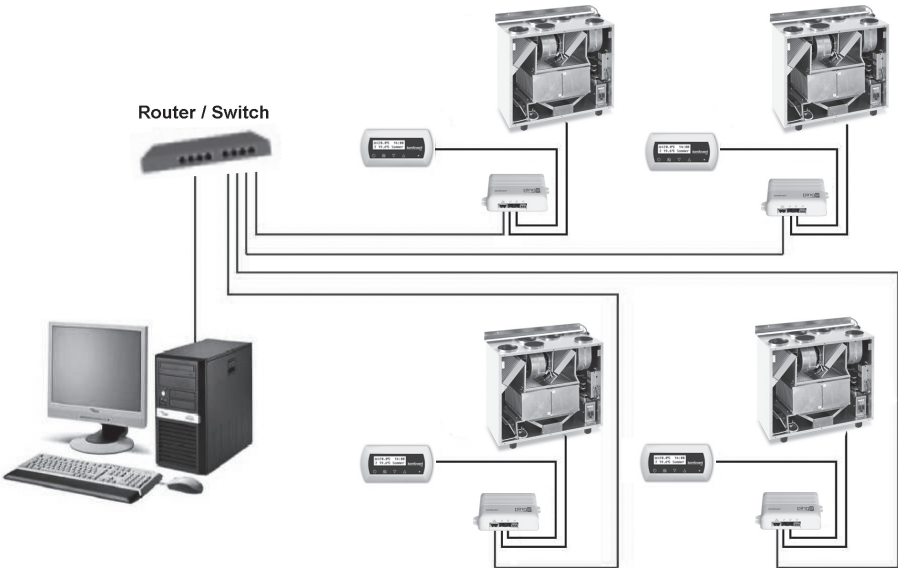


Note:

- ① + ② C3 control panel connection
- ② + ③ C4 PLUS control panel connection
- ① + ④ C3.1 control panel connection
- ③ + ④ C4.1 control panel connection

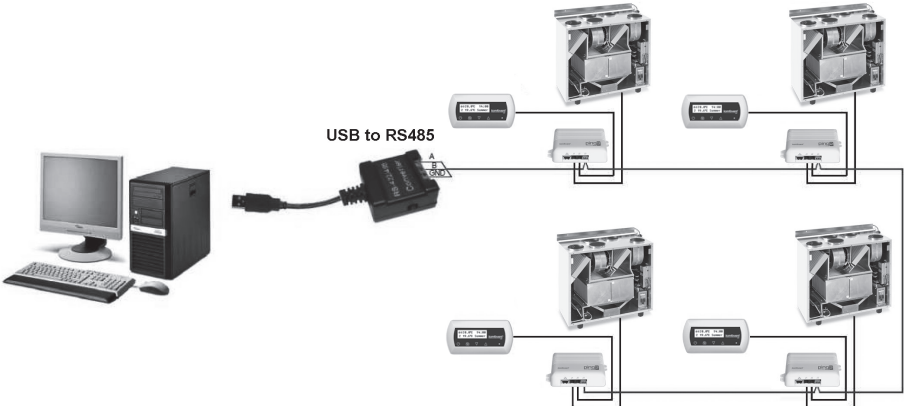
3. EXAMPLES OF NETWORK CONNECTION

Connection through "Ethernet" network



Picture 3a

Connection through "RS485" line



Picture 3b

Note: In one serial line of "RS-485" network may be connected not more as 30 "Ping2" modules.

4. “PING2” MODULE CONFIGURATION

Net module “Ping2” has internal web side therefore not needed any special software to configure and set parameters, all setting may be done using standard internet browser. To modify setting and control of air handling unit the connection with PC is needed.

CONNECTION

1. Plug one end of the network cable into the “Ping2” module and the other end to the computer.
2. Go to the properties of your network card and enter IP address, e.g. 192.168.0.200, and subnet mask 255.255.0.0.
3. Open the web browser on your computer and disable all proxy servers in the settings.
4. In the address bar of your web browser enter the IP address associated with the air handling unit; the default IP address is 192.168.0.29.



Note: It is recommended to download the latest version of your web browser before use.

5. If the connection is successful, a window prompting to enter your user name and password appears:

Note: the user name is “user”. The initial password is also “user”; after logging in, the user can later change the password to any other of his/her choice (see user interface settings).

Note: In case you forget your IP address or password, you can restore it to default. See “Connection parameters restore”.

USER SETTINGS

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Overview
Modes
Functions
Alarms/Status
Scheduling
Settings

▼ DATE/TIME

Day - Month - Year 12 - 12 - 2013 1

Time 15 : 10

Synchronise Run

▼ CONNECTIVITY

IP 192 . 168 . 0 . 83 2

Modbus ID 10 3

RS485 interface 19200 baud 8E1 4

▼ USER INTERFACE

Language English 5

Flow units m³/h 6

AHU name Komfovent 7

▼ LOGIN PASSWORD

Enter new password 8

Confirm new password

Save

1. Data and time of Air Handling Unit (AHU)
2. IP address of Ping2, when units are connected to Ethernet network (see Picture 3a).
3. Modbus ID of AHU: 1-247, 254 (Picture 3b).
4. Parameters of RS485 interface (J3 socket): data transfer speed (9600, 19200, 38400, 57600) and data format (see Table 1).
5. Language selection.
6. Flow measuring units selection: m³/h, m³/s, l/s.
7. AHU name (max. 24 symbols)
8. Changing of login password (max. 24 symbols).

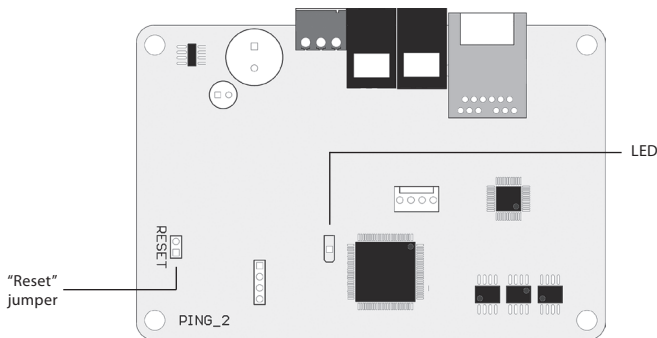
Table 1. Modbus data transfer format

Format	Data bits	Parity	Stop bits
8E1	8	Even	1
8N1	8	None	1
8E2	8	Even	2
8N2	8	None	2

CONNECTION PARAMETERS RESTORE

It's possible to restore the factory-set IP address and password. For this the cover of box should be opened and the board removed. Further restore procedure is:

1. turn off the power supply of "Ping2" (remove J1 plug);
2. put the "Reset" jumper (4a Picture);
3. turn on the power supply and wait until LED will start to blink (Picture 4a);
4. turn off power supply again and remove the jumper;
5. restore power supply.



Picture 4a

Following the above steps the connection parameters of "Ping2" will be restored to default (Picture 4b).

Default connection parameters

IP address	192.168.0.29
Subnet mask	255.255.0.0
Username	user
Password	user

Picture 4b

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