

ThermIQ

ThermIQ ThermIQ-LINK

These instructions are downloaded from:
<http://www.thermiq.net/installation2.pdf>

ThermlQ ,ThermlQ-Link



Upgrade FW

• Steps 1-5



Installation in heatpump

• Steps 6-10



Download ThermlQ2

• Step 11



Configure ThermlQ2
webserver

• Steps 12-15



ThermIQ and ThermIQ-LINK

- ThermIQ, ThermIQ-LINK

- Reset button

- Enter Bootloader-mode to upgrade ThermIQ-firmware by:

- Keeping button Pushed during Power-up
or
 - Keeping button pushed more than 10 seconds

- Power (GREEN)

- Lights up when board is properly powered

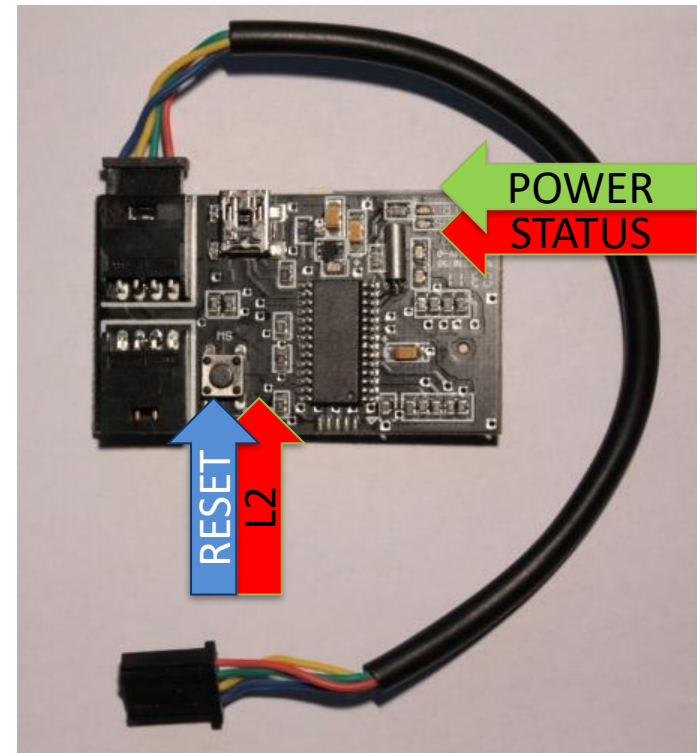
- Status (RED)

- A rapid sequence of blinks indicates the board status

- 1 blink, Power on check
 - 2 blinks, Bootloader mode, ready to upgrade firmware
 - 3 blinks, Stand-alone logging, and safe to remove and insert SD-card
 - 4 blinks, Stand alone logging, the SD-card is in use and should not be removed
 - 5 blinks, USB is connected, serial port and SD-card are active

- L2, Communication active (RED)

- ThermIQ is properly connected and communicating with the heatpump when L2 is blinking



ThermIQ and ThermIQ-LINK: Check fw version

1

• Hold ThermIQ Reset button down and connect ThermIQ to a PC's USB port. Your PC will recognize ThermIQ as a USB memory.

2

• After a while you will see a sequence of 2 short blinks on ThermIQ Status LED indicating that the interface now is ready to accept a new firmware and you can release the Reset button

3

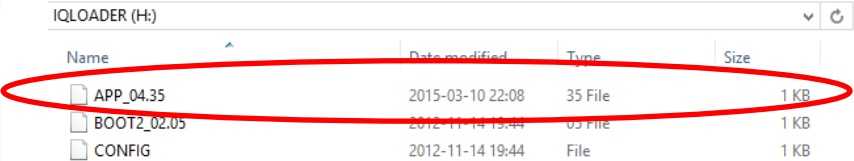
• Explore the USB Drive. You should see the files with date and version numbers. Check www.ThermIQ.net/hw/fw for latest firmware versions. Compare with APP on USB-drive. If newer, download from web.

4

• Drag and Drop the downloaded file onto the Usb-drive. When ready, disconnect ThermIQ.

5

• Repeat from Step 1 and Check that APP is updated correctly. If not repeat.



The screenshot shows a Windows File Explorer window titled 'IQLoader (H:)' with a refresh button. The window displays a list of files with columns for Name, Date modified, Type, and Size. A red oval highlights the first row of the file list.

Name	Date modified	Type	Size
APP_04.35	2015-03-10 22:08	35 File	1 KB
BOOT2_02.05	2012-11-14 19:44	05 File	1 KB
CONFIG	2012-11-14 19:44	File	1 KB

Install ThermIQ and ThermIQ-LINK in heatpump

6

- Turn of heatpump and remove front cover

7

- Find the EXT connector on the main control-board and connect the cable on ThermIQ board to the heatpump.
- Attach ThermIQ-board with velcro

8

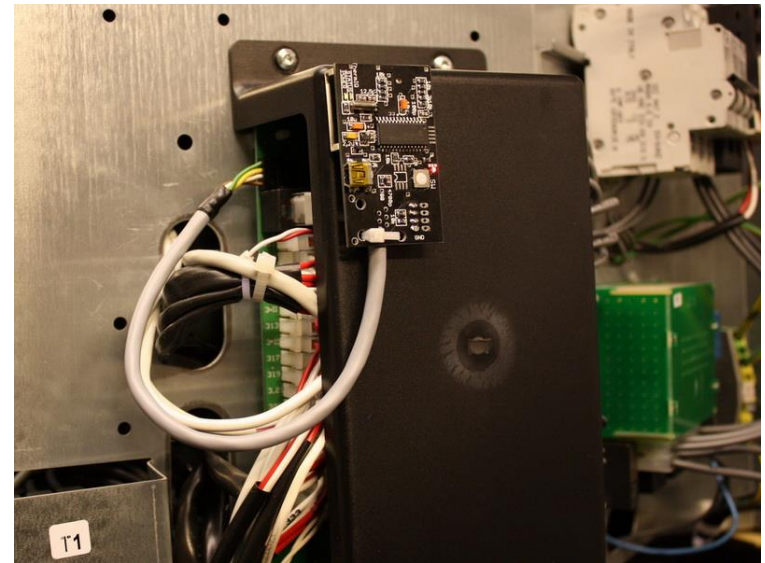
- Connect other peripherals, i.e Thermia Online or extension board(s) to the ThermIQ-board with the existing cable

9

- Connect USB Cable between ThermIQ and server

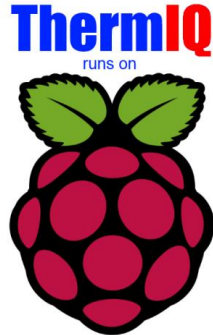
10

- Replace front cover and turn on heatpump



Install ThermIQ2 Webserver

11



- **Raspberry**

- Download instructions from

<http://www.thermiq.net/ThermIQ2-installation-for-Raspberry-PI.pdf>

- **Windows**

- Follow instructions on

<http://www.thermiq.net/ThermIQ2-installation-for-Windows-XAMPP.pdf>

RUNS ON
XAMPP



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Configure ThermIQ Webserver

12

- Complete the installation by opening: <http://your-ip-address/install/install.php>
- Go through each step
- Double-click Start when all Steps are Ok

13

- Open: http://Your_Server_ip/
Use the username and password created during previous step

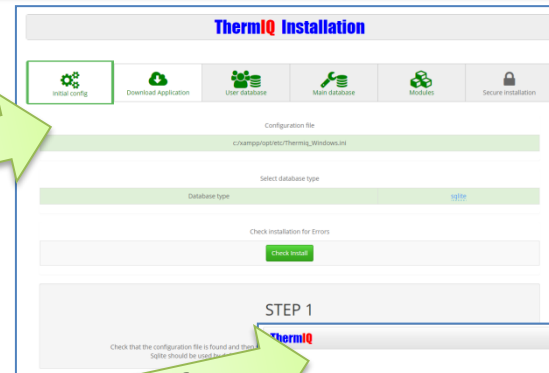
14

- Change settings to reflect your setup
Check that poller_ThermIQ is enabled and configured
Linux port default is /dev/ttyACM0

15

- Done

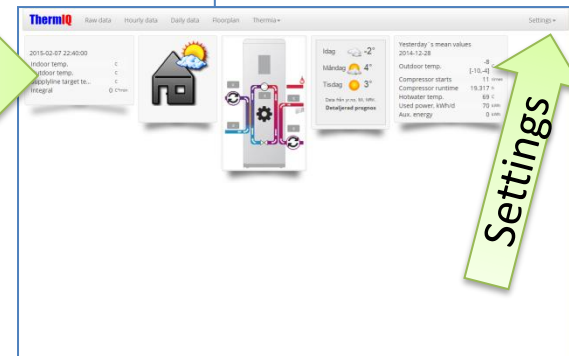
15



16

Login

17



Settings

Replace your-ip-address with the actual ip-address of your Webserver