# Commissioning

# **Control system**

HEMS controller HC-IQ-HEMS and all communication interfaces are supplied with preinstalled firmware.

For system configuration use HIQ HEMS Configurator .

### **Power meters**

- 1. Connect only one new power meter at the time.
- 2. In **HIQ HEMS Configurator** go to **settings** page. New power-meter should be detected (Address and Type should be displayed).
- 3. Long-press button on power meter until **-SET-** is displayed.
- 4. Press **New address** and enter new address according to following table.

Device	Address
Grid	150
1st power plant	154
2nd power plant	155
3rd power plant	156
1st storage	157
2nd storage	158
1st consumer	160
2nd consumer	161
8th consumer	167

## Load managers

#### Add new device

- 1. In HIQ HEMS Configurator go to wireless page
- 2. Click on device which will be added
- 3. Wait for **network open waiting device** status.
- 4. Press **button on device**.
- 5. Wait until device is addressed and configured.

Procedure can be interrupted with "close network" button.

#### **Remove device**

- 1. Reset device:
  - $\circ\,$  power off wireless device for a few seconds.
  - $\circ\,$  After powering on wait for a few seconds for device to boot on.
  - Press and hold button, LED indicator will go **off**, then **green** and at the end **red**.
  - Release button.
- 2. In HIQ HEMS Configurator go to wireless page
- 3. Reset device should have error state (yellow sign with exclamation)
- 4. Click on reset device to clear place.

### **Control devices**

- 1. In HIQ HEMS Configurator go to wireless page
- 2. Press icon for control device (wireless enocean push-button) to be configured
- 3. On control device **press 0** (off) button
- 4. On control device **press 1** (on) button

### Sensors

#### Add new sensor

- 1. Adjust sensor address with **DIP-switches** according following table
- 2. In HIQ HEMS Configurator click on sensor which will be added
- 3. Wait for network open waiting device status
- 4. Power on and pres button on sensor
- 5. Wait until sensor is configured

Procedure can be interrupted with "close network" button.

Sensor	Address	DIP switch settings
S1	60	0N 1 2 3 4 5 6 7 8
S2	61	0N 1 2 3 4 5 6 7 8
S3	62	0N 1 2 3 4 5 6 7 8
S4	63	0N 1 2 3 4 5 6 7 8
S5	64	0N 1 2 8 4 5 6 7 8
S6	65	0N 1 2 8 4 5 6 7 8
S7	66	0N 1 2 8 4 5 6 7 8

#### **Remove sensor**

- 1. Reset sensor:
  - $\circ\,$  Power off sensor for few seconds
  - Reconnect sensor power supply
  - After sensor power on (but within 20 sec) press and hold button for at least 6 sec
- 2. In HIQ HEMS Configurator reset device should show error
- 3. Click on error icon to free occupied space

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