# 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 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**:
   - power off wireless device for few seconds.
   - After powering on wait for 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 | |
| S2 | 61 | |
| S3 | 62 | |
| S4 | 63 | |
| S5 | 64 | |
| S6 | 65 | |
| S7 | 66 | |

| Sensor | Address | DIP switch settings |
|--------|---------|---------------------|
| S8 | 67 |  |

## Remove sensor

1. **Reset sensor**:
   - 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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