HIQ Lighting Control – HIQ LCS Introduction

HIQ LCS is a system of integrated devices and software that is targeted for lighting automation. The primary function is control and management of any lights – on/off, dimmable, LED RGB, LED stripes using local wired or wireless push or touch buttons, Wi-Fi tablets, Mobile phones or BMS/SCADA monitoring and control. Lights can be controlled by scenarios, scheduled, by motion sensors using direct relay modules, DALI, DSI or PWM/Triac dimmable and LED stripes. Although the basic concept of HIQ LCS is simple, the possibility to extend current capabilities or add new is unlimited.

HEMS Controller

It consists of an HEMS master controller (MC-230).

Power sensors

The measurement of electrical power and energy of all energy sources and main electrical consumers is provided by single-phase (PM1-E-D) and three-phase (PM3-I-D) power sensors which are connected directly to HEMS master controller MC-230. It supports:

- **1 grid** power sensor
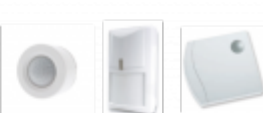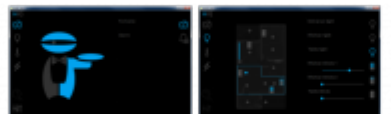- up to **3** sensors for local power **plants** (PV, Wind, Cogeneration, Generator, etc)
- up to **2** local **storage** systems (home battery)
- up to **4** managed **consumers** (electrical heating, electrical water heater, washing machine, tumble dryer, …)

Power relays

Are used for control of managed consumers. Power relays are toggling power supply or enabling signal for the operation of the device. They are controlled directly from HEMS master controller MC-230.

Push buttons

Are used for manual control of managed devices. Push buttons are directly wired to HEMS master controller MC-230.