# HIQ Controlled devices

## Lights

### Which type of lights can we control?

- Discrete (On/Off) lights
- Dimmable lights
- Dimmable DALI lights
- Dimmable LED stripes
- Dimmable RGB LED stripes

### How lights are controlled?

- Locally with push-buttons and/or presence detector
- Through scene
- With IR remote controller
- From HIQ applications

### Why control lights with HIQ?

- Easy local control
- Timer mode
- Control many lights with one click with scenes
- Easy overview and control with HIQ commander



| Controlled device | Devices/controller | Devices/module | Control module | Modules/controller |
|---|---|---|---|---|
| Light - General purpose On/Off | **40** | 10 | LC-10-IQ | 4 |

| Controlled device | Devices/controller | Devices/module | Control module | Modules/controller |
|---|---|---|---|---|
| Light - 230 VAC dimmable | **16** | 4 | LD-P4-IQ | 4 |
| Light - DALI light | | 8 | LD-D8-IQ | 2 |
| Light - single color LED stripe | | 4 | LD-V4-IQ | 4 |
| Light - RGB(W) LED stripe | **4** | 1 | | |

# Blinds

### Which type of blinds can we control?

- Blinds
- Curtains
- Awnings
- Shades
- Projector screen and lift

Basically all type of bidirectional motorized blinds with built-in limit switches.

### How blinds are controlled

- Local auto up/down push-button (same function as automatic car windows)
- Through scene
- With IR remote controller
- From HIQ applications

### Why control blinds with HIQ?

- Easy local control (just press button - no need to hold and wait)
- Control many blinds with one click with scenes
- Easy overview and control with HIQ commander



| Controlled device | Devices/controller | Devices/module | Control module | Modules/controller |
|---|---|---|---|---|
| Blinds, shadings, curtains, awnings | **10** | 5 | BC-5-IQ | 2 |

# Managed power sockets

**Individually controlled sockets for:**

- Table lights
- Standing lights
- Standing fans
- Christmas tree lights
- Small home appliances (coffee machine, kettle, ...)
- Boiler
- Domestic water heater
- Washing machine
- Dryer

**Group controlled general sockets:**

- To switch off all sockets during night and when not at home
- Do not use for appliances which constantly in need power supply for undisturbed operation (refrigerator, freezer, ...)!

**How managed sockets are controlled?**

- Locally with push-buttons
- Through scene
- With IR remote controller
- From HIQ applications

**Why control sockets with HIQ?**

- Easy local control
- Timer mode
- Control many sockets with one click with scenes
- Easy overview and control with HIQ commander
- Automatically power off dangerous appliances like iron or cooker when you are away



| Controlled device | Devices/controller | Devices/module | Control module | Modules/controller |
|---|---|---|---|---|
| Power socket | **40** | 10 | LC-10-IQ * | 4 |

* external power relay is highly recommended

# Exhaust fans

All single speed exhaust fans in toilets, kitchen, garage, ...

### How exhaust fans are controlled?

- Locally with push-buttons
- Through scene
- With IR remote controller
- From HIQ applications

### Why control exhaust fans with HIQ?

- Easy local control
- Timer mode
- Control many fans with one click with scenes
- Easy overview and control with HIQ commander



| Controlled device | Devices/controller | Devices/module | Control module | Modules/controller |
|---|---|---|---|---|
| Exhaust fan | **40** | 10 | LC-10-IQ | 4 |

# Scenes

Scene sets a group of lights, shades (curtains), fans and managed sockets to the present value.

Scene can be set with:

- Local push-button with LED indicator which indicate if scene is active
- With IR remote controller
- From HIQ applications

Affected devices are simple selected in PC GUI application.

User can easy store actual state of all affected lights and position of affected blinds into scene by long-press scene button.



| Controlled device | Devices/controller | Devices/module | Control module | Modules/controller |
|---|---|---|---|---|
| Scene push-button with LED indicator | **16** | 4 | SC-4S-IQ | 4 |
| Scene touch panel | | / | SC-4T-IQ | |

# HVAC

Multi zone temperature control maintain optimum temperature each room, depending on the purpose and the actual needs. HiQ supports multiple schedules for heating / cooling and advanced energy efficiency algorithms.

**Supported devices:**

- Heating/cooling source
  - Boiler
  - Chiller
  - Heat pump
- Heating/cooling elements
  - Fan-coils (Convectors)
  - Radiators
  - Surface heating and cooling (floor, ceiling or wall)
  - Air-conditioners (ON/OFF)
  - Domestic water heating

**How HVAC devices are controlled?**

- Locally with thermostat
- From HIQ applications

**Features:**

- Easy local setpoint correction
- Advanced fan-coil functions:
  - time limited MAX mode
  - fan speed limitation
- 3 setpoint timetables

    - set active setpoint
- Hi / Low limits for setpoint
- Easy configuration with PC GUI
- Automatically disable heating / cooling when window is open or condensation point is reached (in cooling mode)



| Controlled device | Devices/controller | Devices/module | Control module | Modules/controller |
|---|---|---|---|---|
| HVAC - Zone thermostat | **5** | / | TH-1M-IQ | 5 |
| | | | TH-1T-IQ | |
| | | | TH-2-IQ | |
| | | | TH-3-IQ | |
| HVAC - Fan-coil | **5** | 1 | FC-1-IQ | 5 |
| HVAC - Radiator valve | **5** | 5 | HC-IQ | 1 |
| HVAC - Floor heating valve | | | | |
| HVAC - Ceiling cooling valve | | | | |
| HVAC - Boiler (On/Off) | **1** | 1 | | |
| HVAC - Chiller (On/Off) | **1** | 1 | | |

# Access control

**Supported devices:**

- Unlock your door using smartphone and HIQ Commander
- Intercoms (IP and analog, voice and/or video versions)
- Fingerprint readers
- RFID readers
- GSM modem

### How acces control devices are controlled?

- Locally with push-buttons (on the inner wall)
- From HIQ applications
- From access control device

### Why link your access control device with HIQ?

- Open your door with HIQ applications
- Add remote function
- Unique identification creates the ideal conditions for a HIQ home system that works as efficiently as possible so that your house knows who is at home
- Access control monitoring





# Safety & security

### Supported devices:

- Motion sensors
- Door/window sensors
- Gas sensors ($CH_4$, LPG)
- Smoke detectors
- Water leak detectors
- Air quality sensors
- Various gas detection ($CO_2$, CO, $NO_2$, $O_2$…)
- Condensation sensors
- GSM modem

**Alarm transmission:**

- Indication with a horn/light (or a scene) which is linked to an appropriate output.
- Connection with home alarm.
- The appropriate output can be connected to actuator which closes the water / gas in the whole house/apartment.
- Switch off cooling when condensation occurs.
- Connection with ventilation/recuperation system.
- Connection with GSM modem that sends SMS and/or make a telephone call.





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