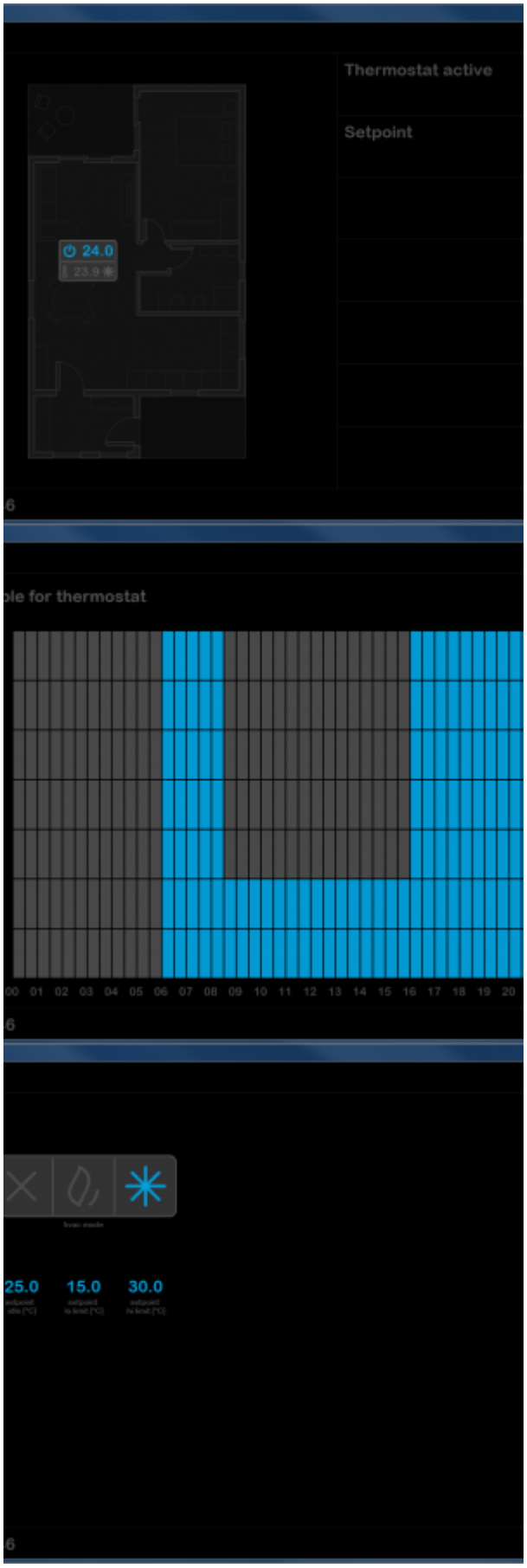
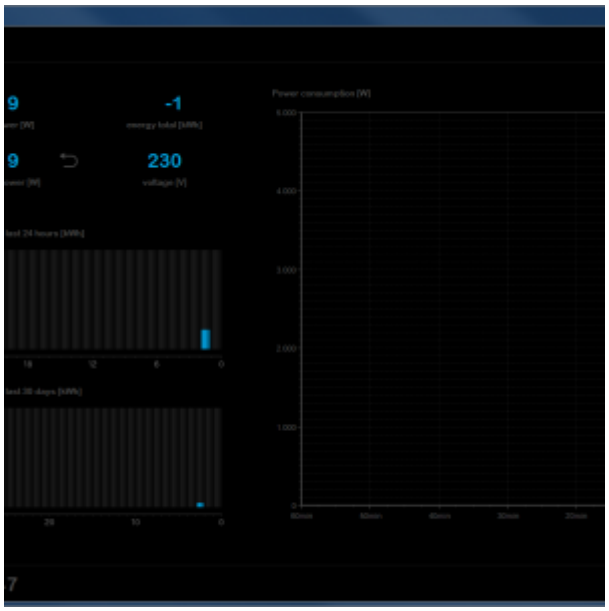
# myHIQ

**myHIQ** is a custom application built for specific projects based on CybroMiniScada. It can be fully customized for end-user needs.


Entrance light
Kitchen light
Table light
Kitchen blinds 1
Kitchen blinds 2
Table blinds
for front door light
00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20


Thermostat active
Setpoint
24.0
23.9
ble for thermostat
00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20
25.0
15.0
30.0




myHIQ demo app

## CyBroMiniScada variables


| | | |
|---|---|---|
| **home controller address** | c+*home controller address* | find on silver sticker on top of HC-HIQ |

# On/Off devices

All On/Off devices (lights, managed power sockets, exhaust fans, ...) are controlled by LC-10-IQ device controller. myHIQ application displays device status and allows to toggle device output.

### Device controller variables

| HIQ-DC | id | output | description |
|---|---|---|---|
| **LC-10-IQ** | lc00..lc04 | qx00..qx09 | r/w; 0=off, 1=on |

# Dimmers

Dimmable dvices (lights and some ceiling fans) are controlled by several device controllers, depending on controlled devices:

- LD-V4-IQ for LED stripes
- LD-P4-IQ for 230 V dimmable lights and ceiling fans
- LD-D8-IQ for DALI lights

myHIQ application displays the device's on / off status and output intensity, and allows to control both.

### Device controller variables

| HIQ-DC | id | output | description |
|---|---|---|---|
| **LD-V4-IQ**<br>**LD-P4-IQ**<br>**LD-D8-IQ** | ld00..ld04 | qx00..qx03 | r/w, 0=off, 1=on |
| | | qw00..qw03 | r/w; 0..100 % |

# Blinds

Blinds are controlled by a BC-5-IQ device controller.myHIQ application displays and sets the blind position.

### Device controller variables

| HIQ-DC | id | output | description |
|---|---|---|---|
| **BC-5-IQ** | bc00..bc01 | qxs00up..qxs04up | r/o; 0=off, 1=moving up |
| | | qxs00dn..qxs04dn | r/o; 0=off, 1=moving down |
| | | blinds_position_00..04 | r/o; 0..100 % |
| | | blinds_setpoint_00..04 | r/w; 0..100 % , -1=stop |

# Scenes

Scenes are implemented directly in HIQ-HC. There is no need to use scene controller for using scenes from myHIQ application.

### Home controller variables

| HIQ-HC variable | id | description |
|---|---|---|
| scene_status[0] | index=0..31 | r/o; 0=scene inactive, 1=scene active, 255=scene not defined |
| global_scene_request | / | w/o; 0..31=set scene 0..31, -1=idle |
| global_memory_request | / | w/o; 0..31=memorize scene 0..31, -1=idle |

# Thermostats

Temperature regulation is done using TH-1M-IQ, TH-1T-IQ or TH-2-IQ thermostat and FC-1-IQ for fan-coils or HC-IQ for radiators.

### Device controller variables

| HIQ-HC | | description |
|---|---|---|
| **HC-IQ** | hvac_mode | r/w; 0=off, 1=heating, 2=cooling |

| HIQ-DC | id | output | description |
|---|---|---|---|
| **TH-1M-HIQ<br>TH-1T-IQ<br>TH-2-IQ** | th00..th04 | setpoint | r/w; *0.1 °C (234=23.4 °C) |
| | | temperature | r/o; *0.1 °C (234=23.4 °C) |
| | | humidity | r/o; % RH |
| | | active | r/w; 0=inactive (uses idle setpoint), 1=active (use setpoint) |
| **FC-1-IQ** | fc00..fc04 | valve | r/o; 0=off, 1=on |
| | | fan_speed | r/o; 0..3 |