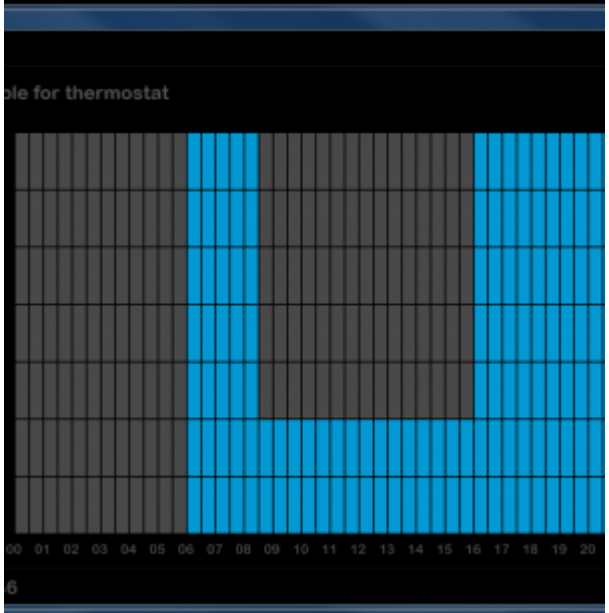
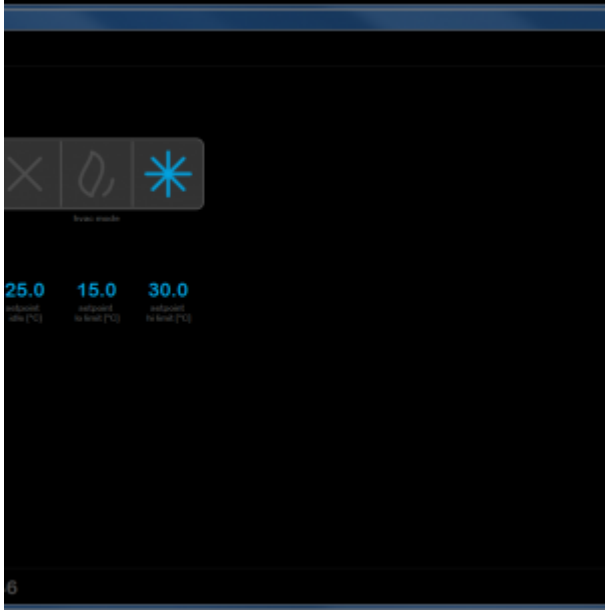
myHIQ

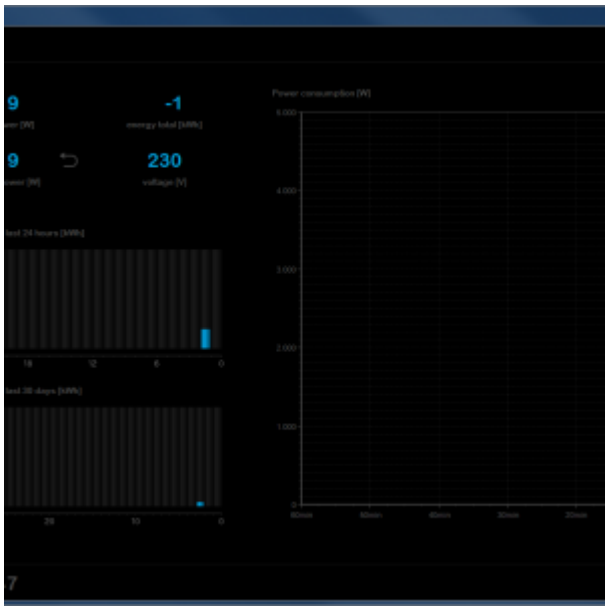
myHIQ is a custom application built for specific projects based on CybroMiniScada. It can be fully customized for end-user needs.


Entrance light
Kitchen light
Table light
Kitchen blinds 1
Kitchen blinds 2
Table blinds
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 **LD-P4-IQ** **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 TH-1T-IQ 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