EKON Intelligent Lighting Control System

1. Software Introduction

EKON intelligent lighting control system is a complete set of lighting control software, which contains the functions of equipment control, equipment management, equipment debugging, equipment status overview, equipment fault query, energy meter parameter collection and calculation, and light sensor data collection and calculation functions. Combined with related equipment developed by our company, it can be widely used in building lighting, factory lighting, shopping mall lighting and other fields.

2. Operating instructions

After booting, the homepage is shown in Figure 1. After clicking the homepage, a progress bar refreshing interface will be displayed (as shown in Figure 2). After the progress bar is refreshed, it will enter the device overview interface (as shown in Figure 3).

Figure 1 Homepage

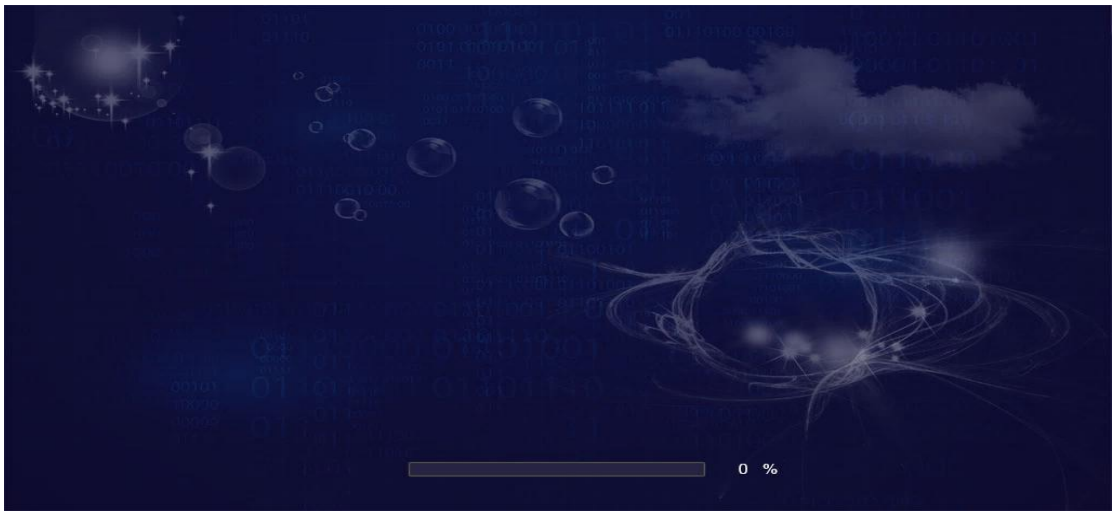

Figure 2 Progress Bar

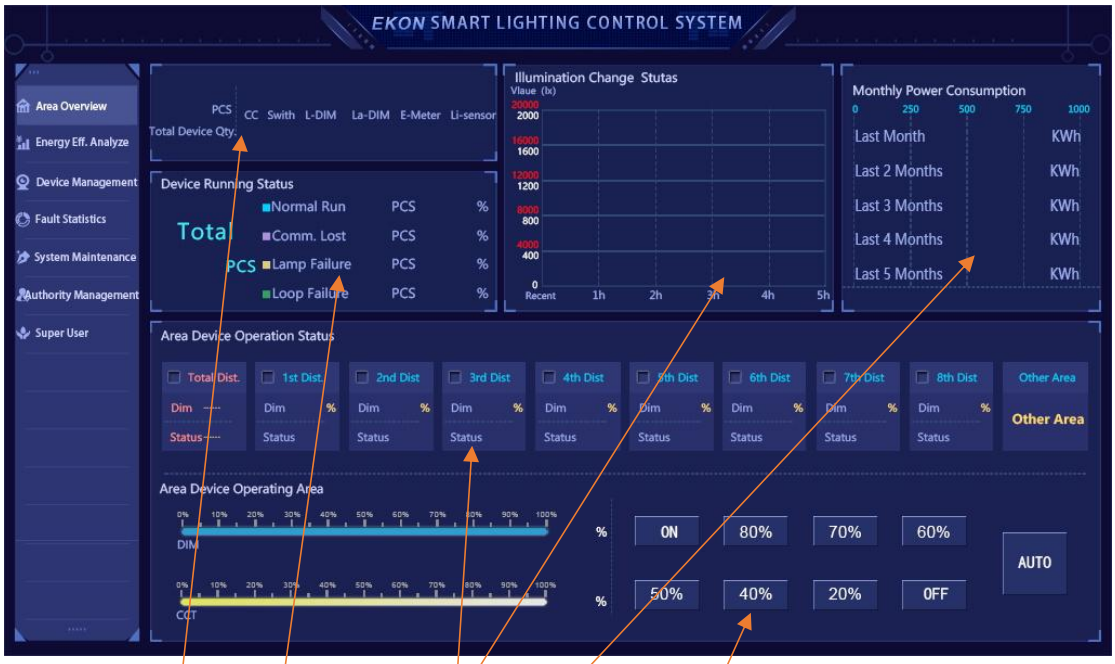

Figure 3 Area Overview

The Area Overview Contains:

a) Number of devices

b) Equipment operating status display

c) Illumination value display

d) Monthly power consumption display

e) Area equipment operation status display

f) Dimming control (check the area to be controlled)

Function Guide Menu is shown in Figure 4. Click on different functions to switch to the corresponding control interface.

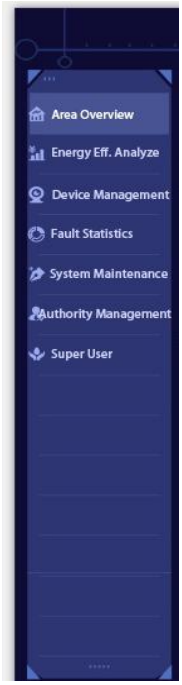

Figure 4 Function Guide Menu

Energy Eff. Analysis(Energy efficiency analyze) is shown in Figure 5. Enter the basic value of the energy saving calculation in the total energy box and click "Set" to calculate the energy saving rate for the past 12 months. Click "Read" to read the basic value of the energy saving calculation that has been set. At the same time, you can see the power consumption in the past 12 months and the power consumption in the past 30 days.

Figure 5 Energy Efficiency Analysis

Device Management page is shown in Figure 6. Select the area to be controlled, and you can adjust Dimming Value and color temperature changing in the control area. If you need to restore the automatic control after manual adjustment, click the "AUTO" button.

Figure 6 Control Interface

SCH. Management(The Schedule Management) is shown in Figure 7. Select the corresponding area. If the equipment in this area supports the **color temperature mode**, you can check the "CCT Mode". If it is not supported, check the "DIM Mode" and enter the required Schedule (the later period needs to be later than the previous period, if the later period is earlier than the previous period, then the period starts from this period and the schedule is invalid). Click "Settings" to send the schedule of this area. Click "Read" to read back the Schedule previously set in this area.

Figure 7 Schedule management

LAL. Management(*Latitude and longitude management*) is shown in Figure 8. For **Cuicuit Switch** equipment, the function of latitude and longitude switches is supported. Enter the latitude and longitude of the area where the device is located, select the area to be controlled, and click "**Settings**". You can send the latitude and longitude to the Circuit Switch, and the Circuit Switch will automatically turn off and turn on the power according to the location information and according to the sunrise and sunset times of each day. Click "Read" to read back the set latitude and longitude of the area.

Figure 8 Latitude and Longitude Management

Fault Statistics page is shown in Figure 9. It can display the faulted device information of the past 3 days. Fault type 1 represents the lamp failure, and 2 represents the communication loss. If there are too much faulty devices, you can use "Previous Page" and "Next Page" to switch pages.

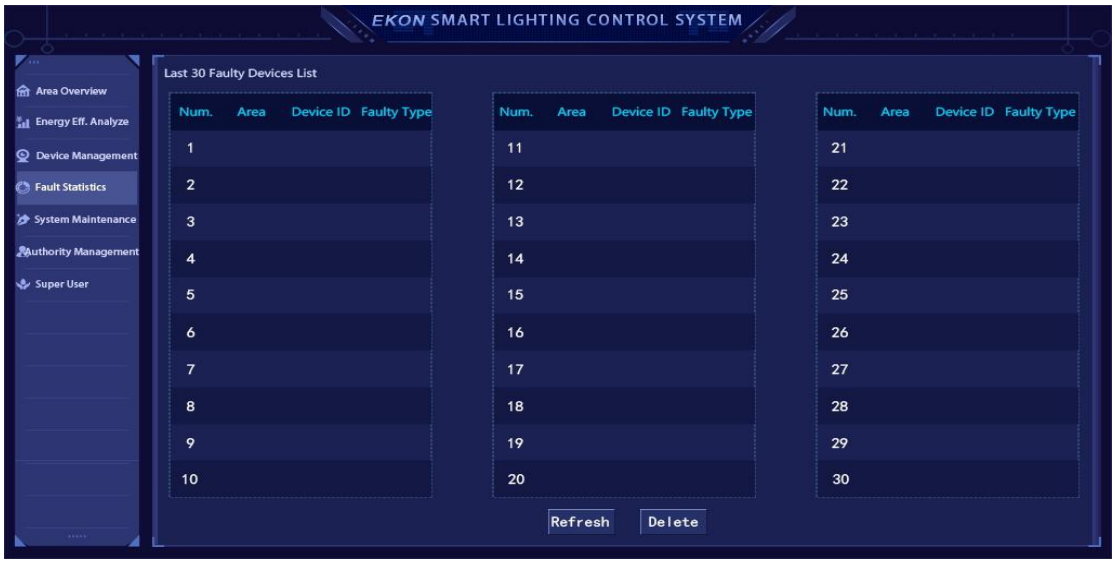

Figure 9 Fault statistics

System Maintenance page is shown in Figure 10. On this page, the equipment under the control system can be entered into the system. The "**Device List Operate**" option is to perform the device related functions in the list. "**Single Device Operation**" is to operate a single device.

Figure 10 System maintenance

Authority Management interface is shown in Figure 11. After clicking Enable Password Verification, the control-related commands will prompt for a password confirmation. If the password is wrong, the operation will not be performed. **"User PWD Management"**(user password management) can modify the control password and initialize the password (requires super administrator password).

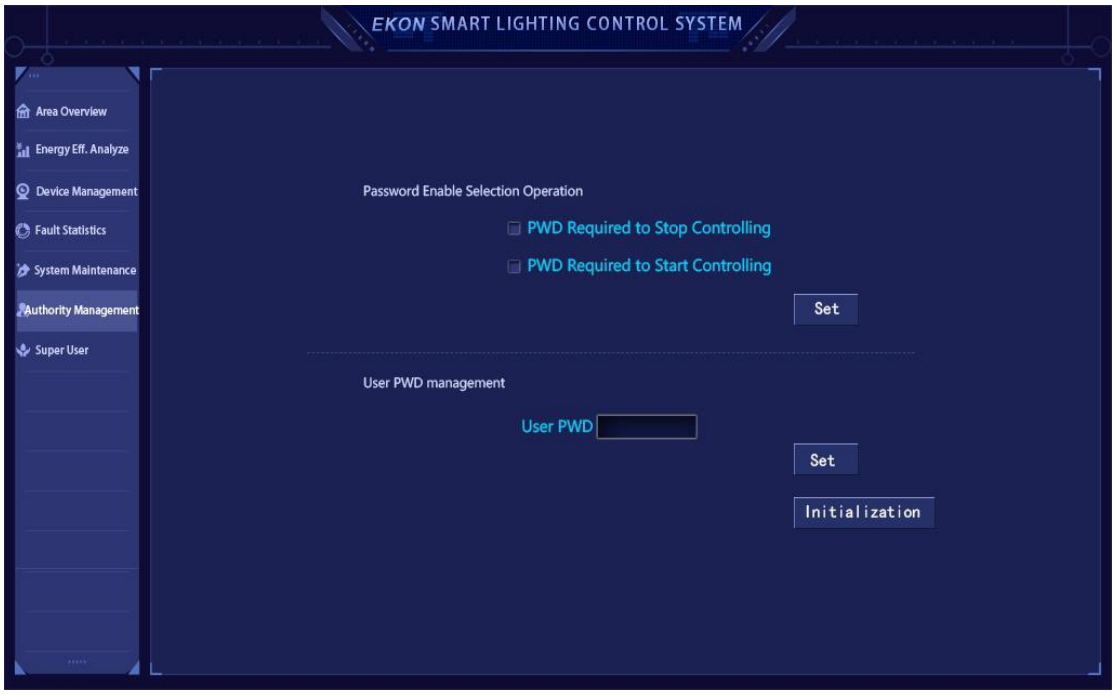

Figure 11 Authority Management

Debugging Interface 1 is shown in Figure 12. You can enter the device ID, Dimming it,Reading the version number, status, and other working parameter settings.

Figure 12 Debugging Interface 1

Debugging Interface 2 is shown in Figure 13. This interface is generally used by internal technicians. According to the protocol, enter the identification code that needs to be processed, enter the corresponding data area data for control, or read back the data area data for analysis.

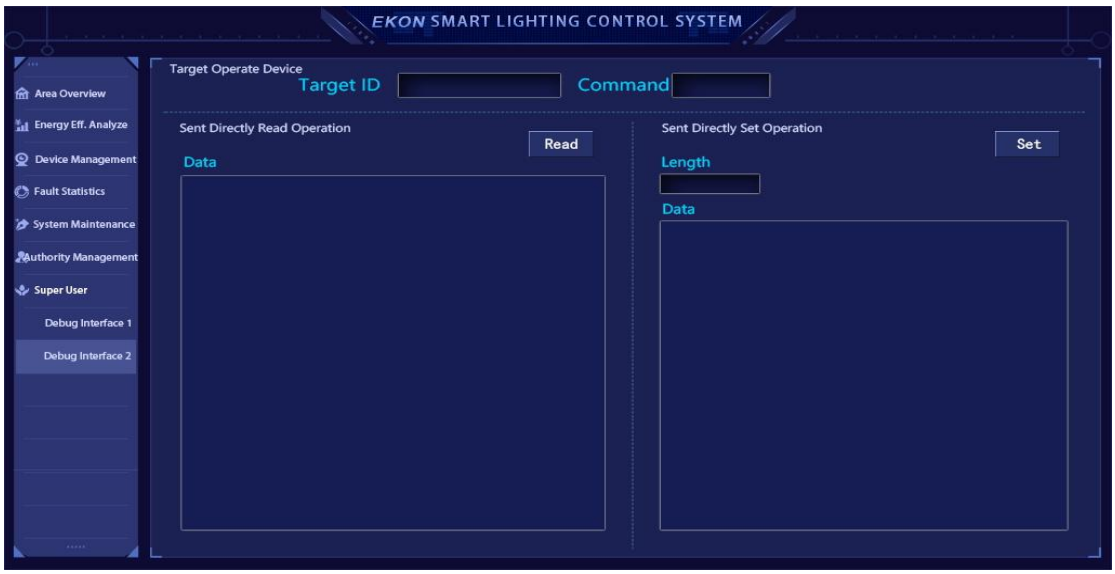

Figure 13 Debugging interface 2

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