

STABILUX MANAGEMENT software

1. LUX MANAGEMENT software

IREM Lux Management is a hardware-software platform enabling the remote management of the road control panel built-in devices for the regulation of the centralized luminous flux of small and medium lighting plants. The program, installed in the PC of the plant operator, enables the exchange of information with one regulator at a time. The operator can perform remotely all those operations that would normally be performed manually on the regulator.



The program is not able to create and handle the "storage" of the whole system. It is only able to read the storage of the single regulator connected to it. The storage contains operating data like operating time, saved and consumed energy and alarm list.

How it works :

The virtual synoptic panel will be displayed on the screen after the log-in. The user will access to all Stabilux functions by pressing the left key of the mouse.

This will allow the following tasks:

- **programming of general parameters:**

nominal voltage / reduced voltage / lamp ignition voltage / switching-on voltage / plant start-up voltage / speed of increasing/decreasing slopes / alarm on time

- **programming of operating cycles:**

daily programming with 6 voltage bands / 6 weekly programs / yearly programming of 6 custom periods.

- **displaying of plant electric parameters:**

input/output voltage / current / phase active and apparent power / power factor

- **displaying of statistic parameters:**

global operating hours / operating hours at nominal voltage / operating hours at reduced voltage / operating hours under bypass mode

consumed energy / saved energy / consumed energy during the last 12 months / saved energy during the last 12 months

- **alarms management:**

max output voltage / min. output voltage / min. power factor / alarm on delay / clear alarms

2. LUX MANAGEMENT PROfessional

IREM LUX MANAGEMENT PROfessional is an enhanced modular hardware/software platform. It has been designed on SERVER - CLIENT basis and can be used as a common web browser reading HTML and XHTML codes (<http://servername/stabilux..>).

When installed on a Web server, it permits to have a free space for multimedia contents (Stabilux database, alarm signaling, maps, photos, user's manuals, wiring diagrams etc.). It also permits the exchange of information between the regulators and a PC of the central unit (or PDA or smart phone) ensuring an "always on" half-duplex connection.

So, users have a dedicated support with boxes and icons to remotely manage/monitor/modify the devices of the road control panel for the regulation of the luminous flux of large areas like towns or urban zones fitted with several Stabilux regulators.

This software ensures :

- the monitoring of the plants through any PC, PDA or smart phone connected to an Internet access point.
- the possibility of creating, through a WEB server, a database and the management of the exchange of information with the users connected to the Net.
- a modular configuration - normally used in towns and large urban areas with several lighting plants - allowing to know where the regulators are installed and the possibility of having dedicated manuals, wiring diagrams and photos.
- the periodical check of the regulators, the saving of the modifications performed, the download of the parameters under check, the list of the alarms and so on.
- the centralized management of the anomalies of the lighting plants
- the possibility of estimating the replacement of the lamps in relation to their operating hours
- the remote programming of all regulators connected.
- the remote switching on/off of each regulator.