GIESEMANN
aquaristic

LED CONTROLLER

15:30 25

DAY-L
13:00

OFF
22:30

GIESEMANN
aquaristic

SCOPE OF DELIVERY & SAFETY INSTRUCTIONS

Dear customer, thank you for purchasing a GIESEMANN product.
Our 30 years' experience in the aquarium industry as well as modern lighting technology guarantees the quality standard of our products.

Please read these operating instructions carefully to ensure optimum function and product safety for many years.

To ignore the following points can be dangerous or even violate existing guidelines.
All Giesemann products are labelled with the CE mark. This CE mark can be found on the type plate inside the light unit or on the device itself.

After unpacking, please check that your product is in proper condition and that the scope of delivery is complete. Any damage must be reported to your dealer immediately in order to make any warrantyclaims.

You must not operate your product if damage is evident, a malfunction occurs, or after falling, contact with water or any other defects.

The described products are intended exclusively for controlling a lighting and auxiliary lighting of indoor aquariums.

The product must not be placed behind panels or covers or inside aquarium canopies – a good air ventilation is required. It is essential to protect the LED controller and as well the power supply units of your light against direct splash water, high humidity, and moisture.

Packaging materials must not be used for playing: there is a risk of suffocation! Keep out of the reach of children!Never open the product during operation. Danger to life!

Only operate corresponding Giesemann products with this LED controller.
During maintenance, pay particular attention that no moisture gets into the LED controller.
Improper use will void any warranty claims.

To keep the product clean, regular care with a cloth is sufficient. Please note that salt crusts must always be removed immediately, otherwise even high-quality surfaces will be damaged over time. Failure to do so will void the warranty.

Disposal: When the end of use is reached, render the product unusable by disconnecting the plug from the socket or power supply and cutting the cables. Dispose of the product in accordance with the environmental regulations in your country.

Electrical waste must not be disposed of together withhousehold waste. Contact your local authority or dealer for advice on recycling.

IMPORTANT NOTE
The LED controller is designed for a maximum power consumption of 120 watts in total
It is important that you make sure, that the wattage of your fixtures have max. 120 Watt in total.

We have taken great care with the product and these instructions. Despite the greatest care and all kinds of technical assistance - our products are made by humans. Therefore, errors cannot be excluded. We are happy to receive constructive criticism and suggestions. Please contact us for help with comprehension questions or technical problems.

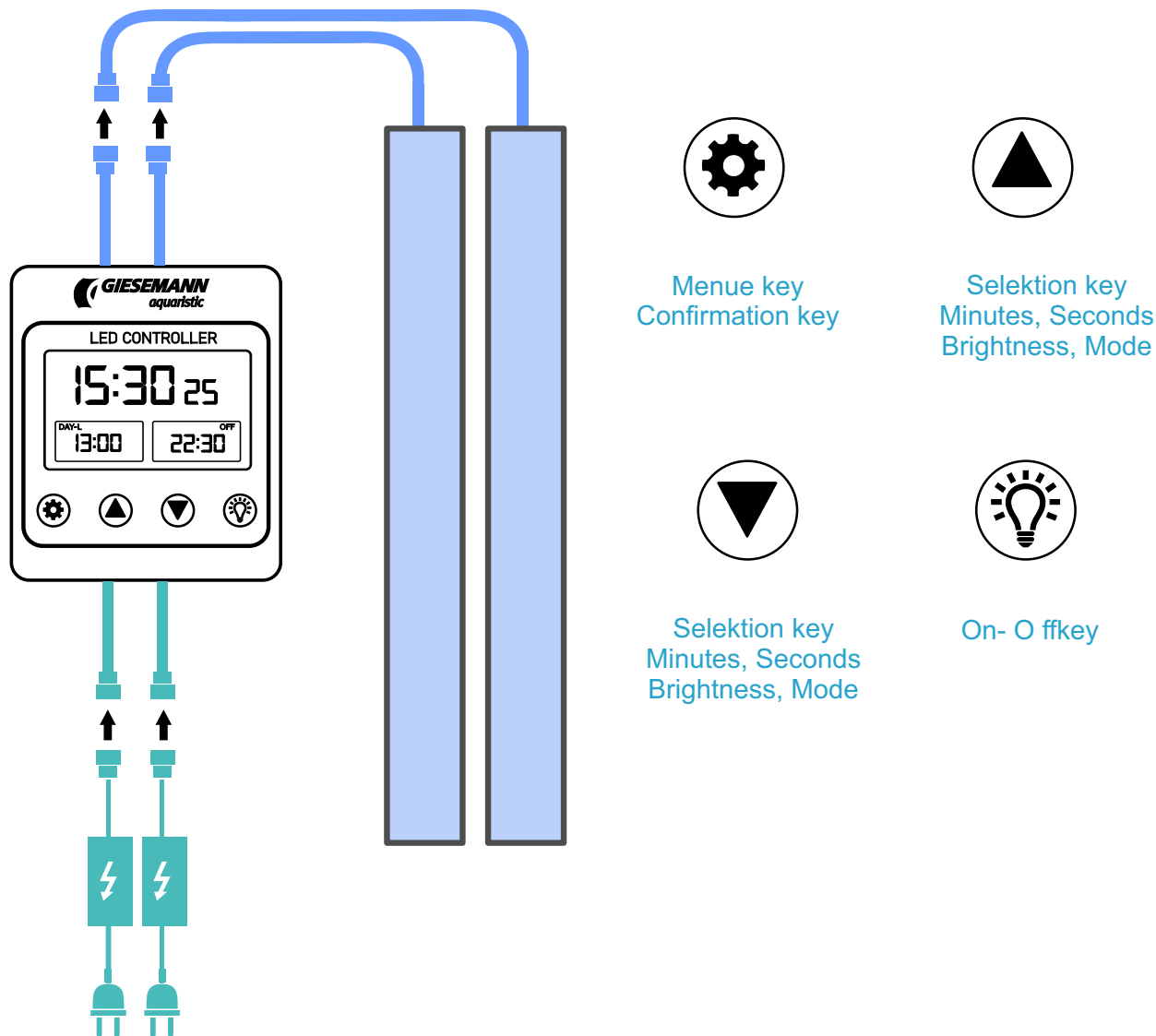**service@giesemann.de**   **+49 2157 / 81 29 90**

CONNECTION & INSTALLATION

IMPORTANT NOTE
The LED controller is designed for a maximum power of 120 watts
It is important that you check the power rating when selecting your Giesemann LED product.

Connect the power supply of your light unit to the lower inputs (female) of your LED controller and connect your Giesemann light unit (male plugs) to the upper outputs of the controller.

Menue key
Confirmation key

Selektion key
Minutes, Seconds
Brightness, Mode

Selektion key
Minutes, Seconds
Brightness, Mode

On- O ffkey

Colored twilight simulation
The LED controller is already equipped with an automatic color adjustment during sunrise and sunset. Between 0- 30% during sunrise and sunset, the twilight is highlighted in different colors tha. Lights for freshwater aquariums (tropic), this twilight is accentuated with warm, reddish colors. Lights for for marine aquariums (marine), have a dominant bluish light during twilight.

During the day, and above intensities of 40% the light will reach the full biological colour blend of marine or tropic lights.

This automatic color change during dimming not only provides fascinating and natural lighting effects in the aquarium, but also avoids the stress of the aquarium inhabitants when the light is switched on or off.

SETUP & OPERATION

Set the time

Press and hold ⚙ for two seconds to set the time. Initially you will see 12 H in the display - by using the arrow keys ▲ ▼ and you can switch to 24 H mode. Pressing again ⚙ will bring you to the correct time setting.

By using the arrow keys and ▲ ▼ you can set the hours and by pressing the ⚙ key again you will get to the setting of the minutes. Press the key again to exit the menu.

Use the LED controller as light switch / dimmer
You can also use the LED controller as an on/o ffswitch and dimmer for your Giesemann light without further programming.
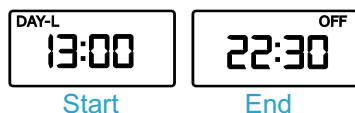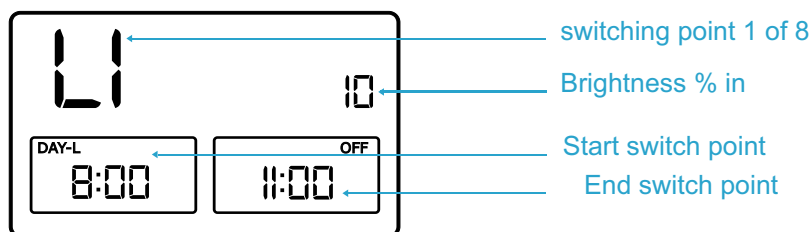

Brightness up

Brightness down

On - Off

Setting the Timer

DAY-L	OFF
13:00	**22:30**
Start	End

The bottom section of the display indicates when your light will start and stop.
Press the key ⚙ once   DAY L ON flashes in the display. Now you can switch the timer
on or off. DAY L OFF by pressing the ⚙ key again.
The selection can be made with the arrow keys. Pressing the ⚙ key again takes
you to the setting option for the time of your LED controller. The procedure for setting
the switch time is the same as for the daytime.

Programming the day cycle

Eight switching points are available to program the cycle of the day. Press and hold the
⚙ and 💡 keys both together for two seconds. Now you can use the arrow keys to
select whether your daily schedule should be activated ON or deactivated OFF.

LI		— switching point 1 of 8
	10	— Brightness % in
DAY-L	OFF	— Start switch point
8:00	**11:00**	— End switch point

In the ON mode, press the ⚙ key again to access the setting for your personal daily
schedule. As soon as you have pressed the ⚙ key, the percentage of the brightness
level flashes in the left section of the display. Use the arrow keys ▼ ▲
to set the light intensity.

Pressing the ⚙ key again allows you to set the hours and pressing the ⚙ key again
allows you to set the minutes. To set the end time of the switching point press the ⚙ key
again and repeat the previous steps. Once the start and end time of switch point 1 are set,
press the ⚙ key again and repeat the steps until you have set the number of switch
points you prefer.

Note that the first and the last switching point must always be at 0% intensity.
Pressing the ⚙ key for the last time takes you back to the main menu in the display