

# LIGHT CONTROLLER

## LC 500

### Manual and User Guide

Please read this manual before operating this product



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*The contents of this manual have been verified to correspond to the specifications of the device. However, deviations cannot be ruled out. Therefore, a complete correspondence between the manual and the real device cannot be guaranteed. The information in this manual is regularly checked, and corrections may be made in subsequent versions.*

*The visualizations shown in this manual are only illustrative.*

*This manual is an integral part of the purchase and delivery of equipment and its accessories and both Parties must abide by it.*

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## 1. List of Equipment

Carefully unpack the carton, which contains:

- **Light Controller LC 500**
- **Communication Cable** (*serial or USB*)
- **Power Supply 12V DC**
- **This Operation Manual** (*on a CD or a printed version*)
- **Optional Accessories** (*according to your specific order*)

Note:

If any item is missing, please contact the manufacturer. Also check the carton for any visible external damage. If you find any damage, notify the carrier and the manufacturer immediately. In this case, the carton and all packing materials should be retained for inspection by the carrier or insurer.

For customer support, please write to: [support@psi.cz](mailto:support@psi.cz)

## 2. Safety Precautions

- **LIGHT CONTROLLER LC 500 IS DESIGNED FOR SOLE CONTROL OF THE PSI LED LIGHT SOURCES. DO NOT USE IT WITH ANY OTHER DEVICE!**
- **WHEN CONNECTING THE INSTRUMENT MODULES, USE ONLY THE CABLES SUPPLIED BY THE MANUFACTURER!**
- **KEEP THE INSTRUMENT DRY AND AVOID WORKING IN HIGH HUMIDITY ENVIRONMENT!**
- **THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY DAMAGE DUE TO IMPROPER OR INCOMPETENT OPERATION!!!**

### **GENERAL ELECTRICAL SAFETY GUIDELINES:**

- Routinely check the devices and their wiring.
- Replace worn or damaged cords immediately.
- Use electrical extension cords wisely and do not overload them.
- Place the devices on a flat and firm surface. Keep them away from wet floors and counters.
- Avoid touching the device, socket outlet or switch if your hands are wet.
- Do not perform any alterations to the electrical part of the devices or their components.

### 3. Device Description

#### REAR PANEL:



[1] – ON/OFF mains switch.

[2] – Power connector.

[3] – Communication / firmware connector (serial or USB).

[4] – Four serial connectors. The LED Light Source(s) can be connected to any of the four connectors.

### 4. Device Operation

Light Controller LC 500 supports up to four light sources. Each light source can be configured and calibrated independently using customer written protocols by computer application.

## 5. Statement of Limited Warranty

- This Limited Warranty applies only to the Light Controller LC 500. It is valid one year from the date of shipment.
- If at any time within this warranty period the instrument does not function as warranted, return it and the manufacturer will repair or replace it at no charge. The customer is responsible for shipping and insurance charges (for the full product value) to PSI. The manufacturer is responsible for shipping and insurance on return of the instrument to the customer.
- No warranty will apply to any instrument that has been (i) modified, altered, or repaired by persons unauthorized by the manufacturer; (ii) subjected to misuse, negligence, or accident; (iii) connected, installed, adjusted, or used otherwise than in accordance with the instructions supplied by the manufacturer.
- The warranty is return-to-base only, and does not include on-site repair charges such as labor, travel, or other expenses associated with the repair or installation of replacement parts at the customer's site.
- The manufacturer repairs or replaces faulty instruments as quickly as possible; the maximum time is one month.
- The manufacturer will keep spare parts or their adequate substitutes for a period of at least five years.
- Returned instruments must be packaged sufficiently so as not to assume any transit damage. If damage is caused due to insufficient packaging, the instrument will be treated as an out-of-warranty repair and charged as such.
- PSI also offers out-of-warranty repairs. These are usually returned to the customer on a cash-on-delivery basis.
- *Wear & Tear Items* (such as sealing, tubing, padding, etc.) are excluded from this warranty. The term *Wear & Tear* denotes the damage that naturally and inevitably occurs as a result of normal use or aging even when an item is used competently and with care and proper maintenance.

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