

# Safety Manual

## Remote power switch

### LED-RPS-CL-R

Release Version 1.32 (May 2024)

#### Declaration Of Conformity

##### CE Information



Operation of this equipment in a residential environment could cause radio interference.

##### UK Information



#### FOR CUSTOMERS IN U.K. IMPORTANT

The wires in this mains lead are coloured in accordance with the following code:

|                          |           |
|--------------------------|-----------|
| <b>GREEN-AND-YELLOW:</b> | "Earth"   |
| <b>BLUE:</b>             | "Neutral" |
| <b>BROWN:</b>            | "Live"    |

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug proceed as follows:

- The wire which is coloured GREEN-AND-YELLOW must be connected to the terminal in the plug which is marked by the letter E or by the safety earth symbol  $\perp$  or coloured green or green-and-yellow.
- The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or coloured black.
- The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured red.

Ensure that your equipment is connected correctly. If you are in any doubt consult a qualified electrician.

"WARNING: THIS APPARATUS MUST BE EARTHED."

#### Disposal

##### WEEE Mark (European Directive 2012/19/EU and amendments)



Disposing of your used product: In the European Union

EU-wide legislation as implemented in each Member State requires that used electrical and electronic products carrying the mark (left) must be disposed of separately from normal household waste. This includes LED Poster and electrical accessories, such as signal cables or power cords. When you dispose of such products, please follow the guidance of your local authority or ask the shop where you purchased the product, or if applicable, follow applicable legislation or agreement you may have. The mark on electrical and electronic products may only apply to the current European Union Member States.

##### Outside the European Union



If you wish to dispose of used electrical and electronic products outside the European Union, please contact your local authority and ask for the correct method of disposal.

For EU: The crossed-out wheeled bin implies that used batteries should not be put to the general household waste! There is a separate collection system for used batteries, to allow proper treatment and recycling in accordance with legislation.

According to EU directive 2006/66/EC and amendments, the battery must not be disposed improperly. The battery should be separated for collection by your local service.

#### Information on the Disposal of this Equipment and its Batteries

IF YOU WISH TO DISPOSE OF THIS EQUIPMENT OR ITS BATTERIES, DO NOT USE THE ORDINARY WASTE BIN, AND DO NOT PUT THEM INTO A FIREPLACE!

Used electrical and electronic equipment and batteries should always be collected and treated SEPARATELY in accordance with local law.

Separate collection promotes an environment-friendly treatment, recycling of materials, and minimizing final disposal of waste. IMPROPER DISPOSAL can be harmful to human health and the environment due to certain substances! Take USED EQUIPMENT to a local, usually municipal, collection facility, where available.

Remove USED BATTERIES from equipment, and take them to a battery collection facility; usually a place where new batteries are sold.

If in doubt about disposal, contact your local authorities or dealer and ask for the correct method of disposal.

ONLY FOR USERS IN THE EUROPEAN UNION, AND SOME OTHER COUNTRIES; FOR INSTANCE NORWAY AND SWITZERLAND: Your participation in separate collection is requested by law.

The symbol shown above appears on electrical and electronic equipment and batteries (or the packaging) to remind users of this. If 'Hg' or 'Pb' appears below the symbol, this means that the battery contains traces of mercury (Hg) or lead (Pb), respectively.

Users from PRIVATE HOUSEHOLDS are requested to use existing return facilities for used equipment and batteries.

- Batteries are collected at points of sale. Return is free of charge.
- If the equipment has been used for BUSINESS PURPOSES, please contact your dealer who will inform you about take-back. You might be charged for the costs arising from take-back. Small equipment (and small quantities) might be taken back by your local collection facility. For Spain: Please contact the established collection system or your local authority for take-back of your used products.

##### Valid for Germany:

- Remove spent batteries and accumulators as well as lamps which can be removed non-destructively, be removed before disposal and treated separately.
- Before transferring or disposing the product, the end-user is responsible for clearing personally identifiable information that may be saved on the product.
- Information about created collection and return options as well as the obligations of retailers/distributors towards end-users to take back old devices free of charge can be found on the local website of the product manufacturer ([www.sharpeddisplays.eu/regulatory](http://www.sharpeddisplays.eu/regulatory)) or contact the retailer who the product was purchased from.

#### Service & Support

##### Service & Support in Europe

Please contact:

Sharp NEC Display Solutions Europe GmbH.

Landshuter Allee 12-14, D-80637 München

Phone: + 49 (0) 89/99699-0

Fax: + 49 (0) 89/99699-500

For the latest information please see

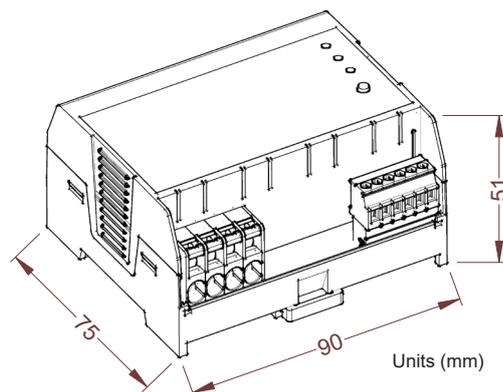
<https://www.sharpeddisplays.eu>

Data is subject to change without notice.

Installation Manual and more information are available here:

<https://www.sharpeddisplays.eu/led-rps-cl-r>

#### Dimensions



## Important Information

Safety Precautions and Maintenance

FOR OPTIMUM PERFORMANCE, PLEASE NOTE THE FOLLOWING  
WHEN SETTING UP AND USING THE LED DISPLAY SYSTEM:

### About the Symbols

To ensure safe and proper use of the product, this manual uses a number of symbols to prevent injury to you and others as well as damage to property. The symbols and their meanings are described below. Be sure to understand them thoroughly before reading this manual.

#### ⚠ WARNING

Failing to heed this symbol and handling the product incorrectly could result in accidents leading to major injury or death.

#### ⚠ CAUTION

Failing to heed this symbol and handling the product incorrectly could result in personal injury or damage to surrounding property.

Be sure to read the following before using the product to use it correctly and safely.

#### ⚠ WARNING

- Do not apply vibrations or shocks to the product.
- Do not install the product to unstable locations or locations subject to vibrations.
- Always ask a technician to perform the installation.
- Do not connect the cables with wet hands. Otherwise, it may cause an injury or an electrical shock.
- Do not repair or modify the product yourself. Otherwise, it may cause an injury, a fire or an electrical shock.
- In case of thunder, do not touch the power cord. Otherwise, it may cause an electrical shock.
- Connect the product to the correct voltage. If the product is connected to a voltage other than the specified voltage, it may lead to a fire or an electrical shock.

#### ⚠ CAUTION

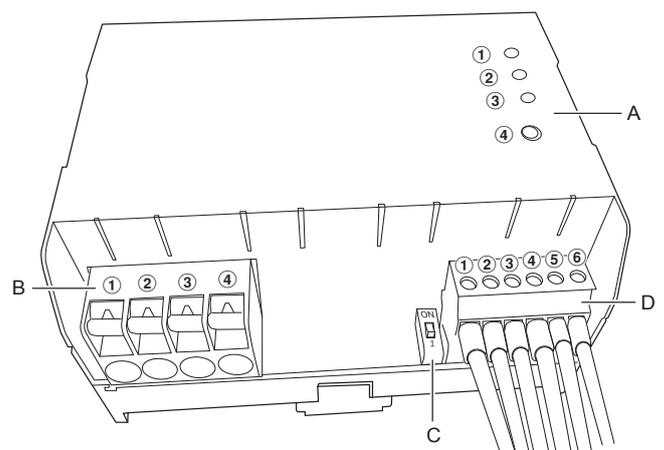
- When connecting the power cord to the product's AC IN terminal, make sure the connector is fully and firmly inserted.
- Do not damage the power cord. Do not put heavy objects on it, place it near heaters, pull it with excessive strength, or apply a strong force on it while it is bent.  
A damaged power cord may cause a fire or an electrical shock.
- Do not install the product in narrow places where heat tends to build up.
- Do not use the product in an environment with low heat dissipation. Otherwise, it may cause a malfunction.
- Do not use the product in a vehicle or another means of transportation.
- Do not place the product under direct sunlight or near heaters.
- This product is designed to be used indoors. Do not use it outdoors. Otherwise, it may cause a malfunction.

- In case of a malfunction (nothing is displayed on the screen, etc.) or if smoke, abnormal heat, or a strange sound or odor is generated, turn the power off and immediately ask a technician or your retailer for repair.
- In case foreign matter has entered into the product, immediately disconnect the power supply and stop using the product.
- Do not put objects into the product. Otherwise, it may cause a fire or an electrical shock.
- In case the product is in contact with water or another liquid, immediately disconnect the power supply and stop using the product. If you continue using the product in that state, it may lead to a malfunction, a fire, or an electrical shock.
- The device must be installed in a housing / switching cabinet in the end application and must not be accessible during operation

- Do not use or store the product in the following places.
  - Near heaters
  - Places with lots of humidity or dust, or places subject to oily smoke
  - Places where water or oil may splash
  - Places with lots of corrosive gases, such as near hot springs
  - Places where the product may freeze
  - Do not place the product on its side, face down, or upside down.
  - Places with lots of vibrations
- If you will not be using the product for a long time, disconnect it from the power distributor for safety purposes.
- Disconnect the power supply when performing maintenance.
- Install the product in accordance with local laws and regulations.

This product can only be serviced in the country where it was purchased.

|                            |                   |   |  |
|----------------------------|-------------------|---|--|
| AC IN                      | Input voltage     | 100 V AC to 240 V AC                                      |  |
|                            | Input current     | Max. 16 A   |  |
|                            | Load capacity     | Max. 6000 $\mu$ F   |  |
| DC IN                      | Supply voltage    | +12 V $\pm$ 1.5 V   |  |
|                            | Power consumption | 1,3 W (AC OUT on)<br>0,3 W (AC OUT off)                   |  |
| CONTROL                    | RS-485            |   |  |
|                            | Control In        | Open circuit voltage: 12 V<br>Short circuit current: 2 mA |  |
|                            | Control Out       | Open collector output                                     |  |
| Operating environment      | Temperature       | -20 to 40°C   |  |
|                            | Humidity          | 10% to 80% (without condensation)                         |  |
|                            | Altitude          | No more than 5000 m                                       |  |
| Storage environment        | Temperature       | -20 to 45°C   |  |
|                            | Humidity          | 0% to 85% (without condensation)                          |  |
| Dimensions                 | 90 x 75 x 51 mm   |   |  |
| DIN rail space requirement | 6 TE              |   |  |
| Weight                     | 170 g             |   |  |



A: Indicator and switch  
 1 ON/OFF  
 2 REMOTE  
 3 STATUS  
 4 MODE

B: AC connector  
 1 L In  
 2 N In  
 3 L Out  
 4 N Out

C: Termination switch

D: Control connector  
 1 + DC12 V  
 2 B RS-485(-)  
 3 A RS-485(+)  
 4  $\perp$  GND (common for 1, 5, 6)  
 5  $\uparrow$  Control In  
 6  $\downarrow$  Control Out