

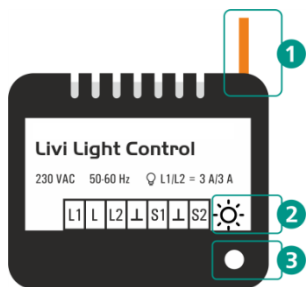
## DESCRIPTION

The Livi Light Control unit (hereafter referred to as the unit) is designed to control lighting at the command of the Livi Smart Hub and through light switches.

The unit has two “dry contact” inputs for connection of two light switches. Two control outputs of the unit can be connected to two separate lighting lines or to one lighting line with two single pole, double throw (SPDT) switches (SPDT switches are required for turning a light on or off from two locations).

Only incandescent and LED lamps of 10 watts or more can be used as a power load for the unit.

## UNIT APPEARANCE



1. Antenna
2. LED indicator
3. Function button

## CHOOSING LOCATION FOR THE UNIT

The unit is designed for discrete in-wall mounting or for installation in a deep switch box.

DO NOT install the unit outdoors, in places with high humidity, or at temperatures exceeding the operating temperature range (see “Specifications” table below).

## PRECAUTIONS

Observe the general electrical safety rules and regulations when installing and operating the unit. The unit wiring and installation must be performed by an authorized person qualified in electrical work.

### DO NOT open the unit enclosure.

The unit must be unpacked and allowed to reach room temperature for at least two hours before handling if it was transported or stored at low temperatures.

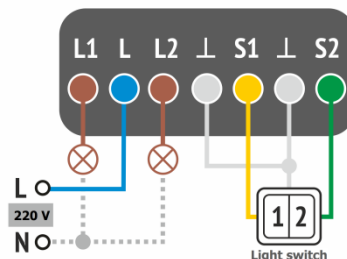
Bring the antenna (1) out and place it under the plastic frame of the switch if the unit is installed in a switch box. The farther the antenna will be located from any metal structures, the less chance of the radio signal shielding. Never shorten the antenna.

The connection must be performed according to the parasite power scheme: only a phase wire of the power cable should be connected to the unit.

## UNIT INSTALLATION FOR CONTROLLING TWO SEPARATE LIGHTING LINES

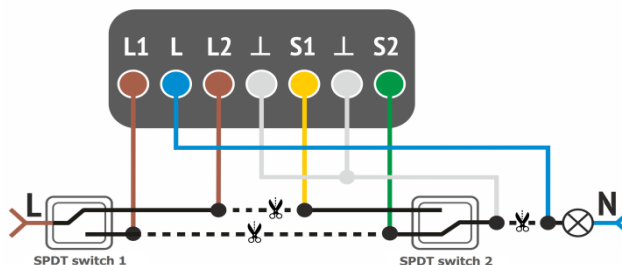
1. De-energize the power cable to which the unit will be connected (or cut off electricity at the site).
2. Disconnect the light switch from the power cable. Mark on the power cable the wire of the input phase and wires of the lighting lines control phase (output phase).
3. Connect the wire of the input phase to the blue wire (L) of the unit.
4. Connect the wires of the lighting lines control phase to brown wires (L1 and L2) of the unit.

5. Connect yellow (S1), green (S2) and white (L) wires of the unit to connect to dry contacts of the light switches according to the diagram below.



## UNIT INSTALLATION FOR CONTROLLING ONE LIGHTING LINE WITH TWO SPDT SWITCHES

1. De-energize the power cable to which the unit will be connected (or cut off electricity at the site).
2. Do not disconnect the first SPDT switch from the power cable (the switch connected to the phase wire of the power cable).
3. Disconnect the second SPDT switch from the power cable. Mark on the power cable wires of the input phase and the wire of the lighting line control phase (output phase).
4. Connect wires of the input phase to brown wires (L1 and L2) of the unit.
5. Connect the wire of the lighting line control phase to the blue wire (L) of the unit.
6. Combine white wires (GND) of the unit and connect them to the second SPDT switch in place of the disconnected wire of the lighting line control phase (output phase).
7. Connect yellow (S1) and green (S2) wires of the unit to the second SPDT switch in place of the disconnected wires of the input phase according to the diagram below.



## BINDING TO LIVI SMART HUB

1. Supply power to the unit after the unit wiring and installation. The unit indicator will blink blue for 60 seconds when the unit switches to the binding mode.
2. In the Livicom app, open the “Devices” screen, in the upper right corner of the screen tap and select “Add device”. The unit indicator will blink green 5 times after successful binding.

The unit switches to the binding mode only for 60 seconds. If you have not bound it to the Livi Smart Hub within this period, then de-energize the unit, wait for 10 seconds and supply power to the unit again. The unit will be switched to the binding mode.

## EVALUATING SIGNAL STRENGTH

Check the quality of the connection between the unit and the Livi Smart Hub at the unit installation location. There are two ways to evaluate the signal strength:

1. In the Livicom app, on the Unit settings screen.
2. With the help of LED indication on the unit: double-click on the function button (3) and look at the unit indicator (2). Interpret the indication using the table below.

|                |                                    |
|----------------|------------------------------------|
| Good signal    | The indicator blinks green 3 times |
| Average signal | The indicator blinks green 2 times |
| Poor signal    | The indicator blinks green once    |
| No connection  | The indicator blinks red 4 times   |

## UNIT OPERATION CHECKING

Send to the unit the command to switch on the lights from the Livicom app to check the unit operation. Make sure that the lighting is on. Then send to the unit a command to switch off lighting from the Livicom app. Make sure that the lighting is off. Do not use the unit and contact technical support (support@livicom.ru) if you see any incorrect operation of the unit.

## UNIT DELETING

There are two ways to unbind the unit from the Livi Smart Hub:

1. In the Livicom app, on the Unit settings screen.
2. Using the function button (3): de-energize the unit, wait for 10 seconds and supply power to the unit again. Quickly click on the function button (3) until the indicator (1) starts blinking blue.

## SPECIFICATIONS

|  |  |
|--|--|
| Operating frequency                      | 868 MHz  |
| Radio communication range*               | 1000 m   |
| Radio channel power                      | 25 mW  |
| Period of sending test events to the hub | 2 minutes                                      |
| AC supply voltage                        | 170 – 250 V, 50/60 Hz                          |
| Number of “dry contact” inputs           | 2  |
| Number of control channels               | 2  |
| Connected load                           | incandescent and LED lamps of 10 watts or more |
| Control channel power                    | from 10 to 690 W                               |
| Power consumption                        | up to 1 W                                      |
| Operating temperature range              | from -20 to +55 °C                             |
| Relative humidity                        | no more than 80% at 25 °C                      |
| Unit dimensions                          | 43 x 36 x 17 mm                                |

\* Radio communication range is the maximum distance between the hub and the unit in line of sight and without interference.

## SUPPLY SET

|                         |   |
|-------------------------|---|
| Livi Light Control unit | 1 |
| Packaging               | 1 |

## LED INDICATION OF THE INTERNAL INDICATOR

|                                    |  |
|------------------------------------|--|
| Binding mode                       | The indicator blinks blue for 1 minute |
| Confirmation of successful binding | The indicator blinks green 5 times     |

## WARRANTY

The manufacturer LLC “NPP Stels” guarantees that the unit meets AGNS.421453.001 TU technical requirements, provided that the consumer complies with the conditions of transportation, storage, installation and operation. The warranty period is 5 years from the manufacturing date.

The warranty does not cover the following cases:

1. Non-compliance with the intended operating conditions;
2. Mechanical damage to the unit;
3. Repairs to the unit by a third party (a person or a company other than the Manufacturer).