Диммер LUX-DIM1-10A (12-24V, 120-240W)
Диммер LUX-DIM1-20A (12-48V, 240-960W)
Пульт LUX-DIM1 (8 зон)

OPERATION MANUAL:

- **Remote sender:**

- **Button legend:**

ON	On/Off	`• • • • • • • • • •` `1 2 3 4 5 6 7 8 9 10`	Memory II
OFF	Color temp	Select CH– CH+	CT wheel
☼	Brightness		Station 1-10
☼	Cold white	•	Indicator Lamps

- **Specification:**
  - Material: Sand blasted Aluminum
  - Dimension: 120x50x15
  - Frequency: 868 MHz

- **CCT receiver:**

OCP/SCP   Super Master

REC-DIM-12/48-20-1-01-868
Input: 9-48VDC 20A
Output: 9-48VDC 20A

Reset

OVP: Over Voltage Protection
If the input voltage is too high the current will be stopped, the red LED will light up, if the input is 27 Volts or more. Protection is guaranteed up to 60V. (Only available for the 9-24V version)
OCP: Over Current Protection
If the current in any channel overpasses the max. threshold, the receiver shuts down this channels and the yellow LED blinks. If the fault has been removed, the receiver restores itself.
SCP: Short Cut Protection
In case of a short circuit, the receiver shuts down all channels and the yellow LED starts blinking. The device is checking every 8 seconds, whether the fault has been removed or not. If the fault has been removed, the receiver restores itself.
Super Master:
Every Network needs one! The green LED flashes up constantly.
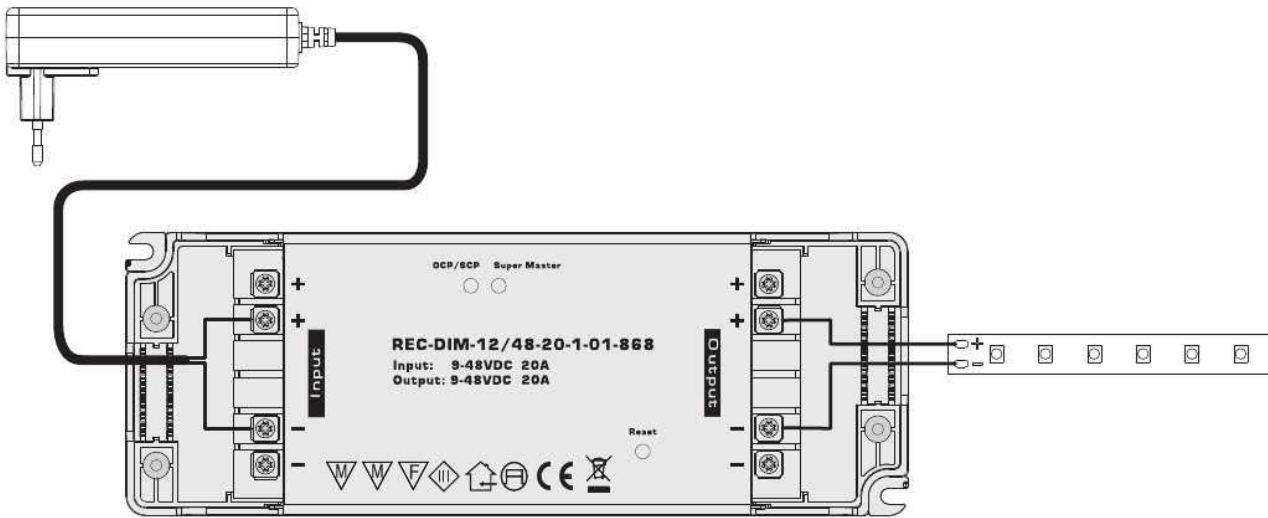**Reset:**
The receiver will reboot again.

- **Specification:**
  - Material: Polycarbonate
  - Dimension: 161 x 58 x 11 mm
  - Input: 9 - 25 V DC, max. 20 A
  - Output: 9 - 25 V DC, max. 20 A (For constant voltage common anode strips)

Item No.	Диммер LUX-DIM1-10A	Диммер LUX-DIM1-20A
Input/Output	9-25V, 10A	9-48V, 20A
OVP	No	Yes
OCP/SCP	Yes	Yes

INSTALLATION:

- **Receiver:**

SETTING UP A NETWORK:

A network consists of one or several senders (hand remote and/or wall mounted) and one or several receivers:

Receiver

Hand remote sender

A network is a group of receiver and controllers, in which each controller can control each receiver. Every network needs one Super Master, which acts as a coordinator! The receiver, which must be added first (setup), is the Super Master which synchronizes all other receivers of the network. After the setup for the Super Master is done, additional receivers and / or senders (wall mount, hand remote) can be added.

- **Setup a network:**
  1. **Setup first Receiver (Super Master) to the network**
     - Turn on the remote control by pressing any key.
     - Hold the On button on the remote control until the LED in the right top corner will start flashing.
     - Release the button again. The LEDs of the station indicator are blinking now. The learning mode is now activated. If nothing happens for 30 sec., the LEDs will go off automatically and exit the learning mode.

2. **Selection of the receiver**
   - Turn the desired receiver on or press the reset button on the receiver. The green LED on the receiver is continuously powered on, which indicates the learning process.
   - The middle three LEDs on the remote control will light up. The receiver was detected by the remote control.

3. **Select the station**
   - Select the desired station for the receiver on the remote control (1-10).
   - Now press the ON button to save the station selection.
   - The green LED of the receiver is now constantly flashing. The learning process is now completed and the receiver is programmed as a super master.

- **Add further receivers to the network:**

   1. **Start the learning input to an existing remote control**
      - Turn the remote control on by pressing any key.
      - Hold the On button on the remote control until the LED in the right top corner will start flashing. The LEDs of the station indicator will start flashing.
      - Release the button again. The LEDs under the color wheel will flash. The learning mode is now activated.

   2. **Select the station**
      - Select the desired station for the receiver on the remote control (1-10).

   3. **Selection of the receiver**
      - Turn on the receiver or press the reset button on the receiver you want to program.
      - The green LED on the receiver will light up. The receiver was detected by the remote control. After the LEDs of the receiver extinguished that means the receiver is ready.
      - Additional receivers are easily taught this way without restarting the learning process.
      - If all receivers are taught, the process can be completed by turning OFF the remote control

- **Add further controllers (wall mount or hand remote senders) to the network:**

   1. **Start the learning process**
      - Turn on the "old" remote control (which acts as a "teacher") by pressing any key.
      - Hold the On button on the remote control until the LEDs under the ON / OFF Button will start flashing.
      - Release the button. The LEDs under the buttons starts to flash. The learning mode is now activated.

   2. **Selection of the new remote control**
      - Turn on the new remote control.
      - Keep press the ON button for several seconds until the indicator light is blinking and then while still holding the button press also the OFF button on the new remote control, so the indicator lamp will even blink faster. Then release first the OFF button and then the ON button.
      - The new remote can now also control all receivers in the network.

   3. **Confirm the choice with the old remote control**
      - The LEDs of the station indicator will light up to indicate that a new control has been detected.
      - Press the ON button on the "old" remote to provide the new remote control access to the network.
      - Press Off button to finish the learning process.
      - The new remote can now also control all receivers in the network.

- **Setup does not work:**

  If the setup of a network through adding the first receiver (Super Master) in certain circumstances still does not work, then please reset the remote sender like this:
    - Press the OFF button for several seconds until the indicator LED on the top right starts blinking, then while still holding the OFF button press simultaneously the reset button to set the remote control back to factory settings. The station indicator LEDs will blink. Once the process is complete, the LEDs will power off.

FUNCTION DESCRIPTION:

1. **ON / OFF**
   The ON button is for activating all the selected stations. Unless another setting is selected, the receiver will return to the last saved state (brightness).
   The OFF button is for deactivating all the selected stations. The final status (brightness) is stored.

2. **Brightness Selection**
   Press the left Brightness button to decrease and the right Brightness button to increase the brightness. If pressed short, the light dims up / down in steps, if pressed for long, it will change the brightness smoothly.

3. **Station selection**
   Use CH+ or CH- to select the desired station 1-10, then press Select to choose the station(s). To deselect, press the Select button again.
   To select/deselect all stations at once, press first the CH+/CH- button and then while holding CH+/CH- press the Select button.

4. **Reset to factory settings**
   Press the OFF button for several seconds until the indicator LED on the top right starts blinking, then while still holding the OFF button press simultaneously the reset button to set the remote control back to factory settings. The station indicator LEDs will blink. Once the process is complete, the LEDs will power off.

5. **Restart the sender**
   If the remote control is unresponsive, you can restart the remote control by pressing the reset button on the remote for a second.

6. **Energy management**
   If the remote sender is not being used for one minute, it will automatically go into a sleeping mode. All the buttons will power off. After pressing any button, it will wake up (go back) to the last state.

7. **Battery management**
   To recharge the battery of the hand remote sender, please plug a USB cable with the micro USB plug into the bottom USB receptive of the sender and connect it with the USB charger.
   - Battery Recharging: The status LED (top right) is going off and stays always off while recharging. The process itself is indicated through the station indicator LEDs of the remote sender after it goes into sleeping mode. If you still using the hand remote sender while charging, you will not see the charging process. The first six LEDs of the station indicator LEDs are showing the status of the battery, eg. Battery 16.7% = 1st LED, battery 100% = 1st-6th LED. The remaining indicator LEDs are blinking in a down going manner.
   - Battery Sufficient: The remote sender will show as usual with its status LED (top right) always on and blinking fast when sending commands.
   - Battery Critical: The remote sender will slowly blink its status LED (top right). This indicates that the battery needs to be recharged, but the sender still works normal.
   - Battery Too Low: The remote sender will blink fast its status LED (top right) for 4 seconds and then enter into sleeping mode. Pressing any buttons will not wake it up, instead plug it into the USB charger to wake the sender up again. If the will not wake up immediately, than press the reset button or first recharge for half an hour and then press the reset button.