

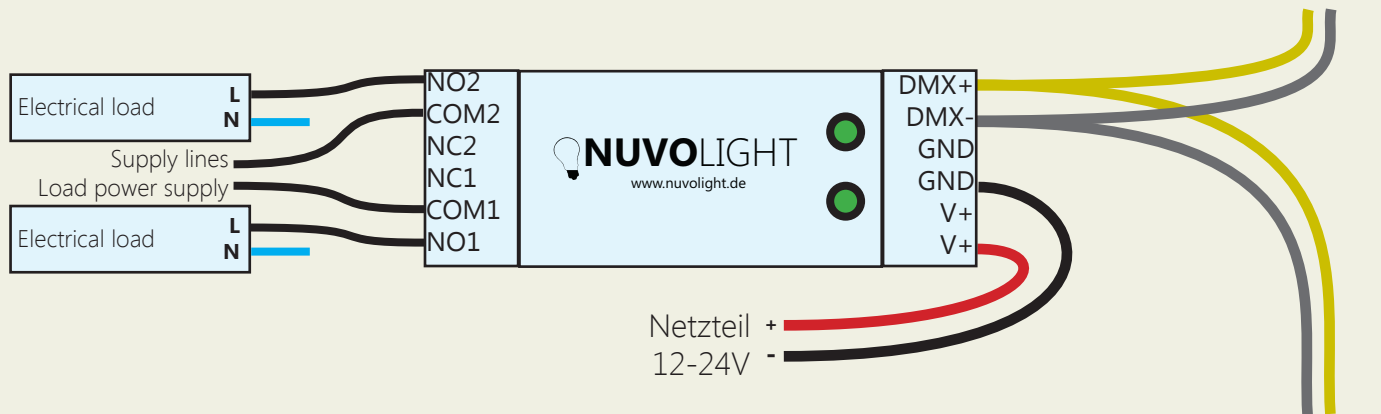
SMARTreceiver 2ch Relais

Art.-Nr.: 112026

The Nuvolight SMARTreceiver 2ch relay is a small and powerful control actuator for switching two loads using integrated relays. The SMARTreceiver is controlled via DMX control signal or via WIFI.

Installation

As soon as the SMARTreceiver is supplied with power, the status LED on the top of the controller begins to pulsate. Fast and regular flashing signals a correctly applied DMX signal.



Technical specifications

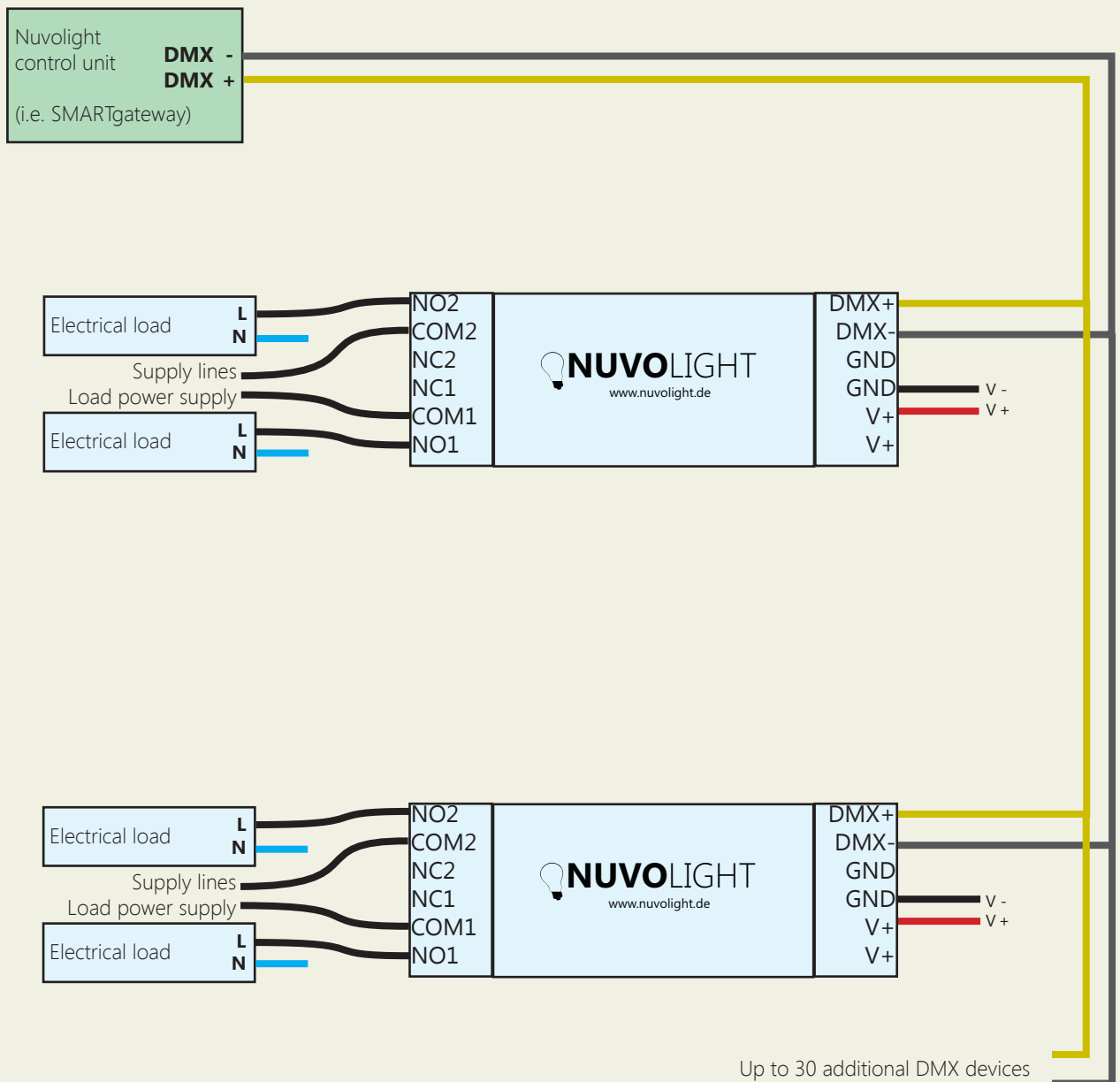
Dimensions in mm (W x H x L)	35 x 77 x 107 (Width: 2TE)
Supply voltage	12V to 24V DC
Current consumption on the control side	200mA
Maximum current secondary side	16A per Relay
Nr of Relays	2
Mounting	DIN rail
Nr of DMX Inputs	1
Color	White
Protection	IP20
Cable type DMX	CAT7, ein Aderpaar
Connection type	max. 2,5mm ²

CAT cable to next DMX device



Connection

Up to 32 DMX-capable controllers can be connected to a Nuvolight control unit with DMX output. Each SMARTreceiver or BUS receiver can be controlled individually by appropriate addressing.



Manual operation

The SMARTreceiver 2ch relay has two buttons on the top, each for relay 1 and relay 2. If there is no DMX bus, the relays can be switched on and off alternately.

DMX Addressing

The SMARTreceiver 2ch relay reacts to two consecutive addresses in the DMX protocol.

The first channel is set as the start address. The data received on the start channel and the subsequent address number determine the status of the outputs.

The address assignment is as follows:

2ch Relais

Start Adress	Relay 1
Start Adress + 1	Relay 2

<i>DMX Value 0:</i>	<i>Contact between COM and NC</i>
<i>DMX value >0:</i>	<i>Contact between COM and NO</i>

The start address can be changed manually via WLAN using the browser interface. Valid DMX addresses range from 1 to 512.

Change DMX start address

1. Supply the BUS receiver with power. The BUS receiver now provides a WIFI network for ten minutes via which settings can be made.

2. Connect your computer, tablet or mobile phone to the network of the BUS receiver via WIFI.

Network-name: **SMARTxxx_XX:XX:XX:XX:XX:XX**

Password: **nuvolight123**

3. Now type the following address into your browser:

<http://192.168.4.1>



4. Now set the start address via the browser interface. To do this, click on the **CONFIG** tab, and select the sub-item **DMX**. Type the desired start address in the associated text field and then click **Apply Changes**.

The BUS receiver now restarts with the set start address. The WLAN connection is interrupted.



1. Choose „CONFIG“ tab

2. Choose „DMX“ tab

3. Enter desired start address

4. Click on „Apply Changes“

The network connection is now interrupted because the device restarts.

Further configuration options

Menu	Selection option	Function
WIRELESS MODE	Accesspoint	The device offers its own WIFI to connect to it via the browser interface.
	Accesspoint + Station	The device also tries to connect to another existing network so that it can be controlled wirelessly.
WIRELESS ACCESSPOINT	SSID, Password, Channel	Network name and password of the WIFI network the device offers. CAUTION: Incorrect settings can block access to the configuration of the device! It's best not to change anything here.
	Timeout [min]	The time after which the configuration WIFI is switched off.
WIRELESS CLIENT	SSID, Password	Network name and password of the WIFI to which the BUS receiver is to connect.
	Hostname	The name under which the device logs on to the network
	DHCP	On: The SMARTreceiver expects that it will be assigned an IP in the network (standard) Off: The SMARTreceiver uses the self-assigned IP address, gateway, subnet mask and DNS IP addresses below
DEVICE	Status LED Timeout	The time after which the status LED is switched off. A value of 0 means that the status LED never goes out (standard)
	No-DMX Boot Value	If this option is set, the outputs go back to the boot settings if there is no DMX signal.
DMX	DMX Start Address	The DMX start address
UPDATE	Current Firmware	The current firmware version
	Upload	Firmware update. The new firmware can be uploaded as a file from the computer to the BUS receiver.