112020-DR SMARTreceiver
2ch Relais

NUVOLIGHT

112020-DR-NI-001

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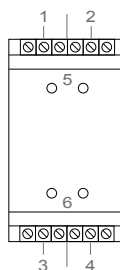Tel: +49 (0)8146 / 99 58 00
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Product features

- DMX controlled PWM control actuator
- 4 x PWM outputs with 16-bit dimming each
- 1 x DMX input
- 1 x DMX through
- 8 DMX modes selectable
- Settings via web interface
- Manual control directly on the device
- For mounting on a TH35 DIN rail
- Can be used in industrial companies

Package contents

- 1 x SMART receiver 4ch PWM
- 2 x 3-pin connector
- 1 x Usage Information

Mount device

⚠ DANGER

Touching live parts can result in serious property damage or personal injury, e.g. fire or electric shock.
Isolate before working on the device and cover live parts in the area.
Failure to do so will result in personal liability for damage to property and personal injury!

1. Disconnect the mains voltage.
2. Place the device on the DIN rail.
3. Connect the bus system
4. Connect output lines
5. Connect the power supply

Warning: The device only operates at 12 or 24 V DC (depending on version). Operate with that voltage, otherwise it can cause damage to the device.

Technical specifications

Supply voltage:	DC 12 or 24 V (depending on the version)
Power consumption:	max. 250 mA
Connection type:	screw terminals
Conductor cross section:	max. 2.50 mm²
Relay outputs:	
Count:	2
Switching current:	max. 16 A
Switching voltage:	max. 230 V
DMX input:	
Connection:	1 x signal +/- & GND
Input voltage:	0 ... 5 V signal
Operating temperature:	-25 ... 60° C
Humidity:	0% ... 85% not condensing
Protection class:	IP 20
Attachment:	DIN rail mounting
Dimensions:	WxHxD: 35x107x75 mm 2 TE width
Weight:	162 g
Color:	white

Safety instructions

Electrical devices may only be installed and assembled by qualified electricians. Improper installation can result in serious injuries, fire or property damage. Read and follow the instructions completely. Electric shock hazard.

Disconnect the device and load before starting work. Take into account all circuit breakers that supply dangerous voltages to the device or load.

When installing and laying cables, comply with the regulations and standards applicable to SELV circuits. These instructions are part of the product and must remain with the end customer.

Function

System informations

This device serves as a control actuator for electrical loads. Detailed specialist knowledge of DMX and electrical switches is required for understanding.

The function of the device is software dependent. Technical descriptions and information about the software version can be found on our website.

Device information

1. Relay output 1 NO/COM/NC, screw terminals
2. Relay output 2 NC/COM/NO, screw terminals
3. 12 or 24 V DC power supply (depending on version), pluggable screw terminal
4. DMX input, pluggable screw terminal
5. 2 x status LED of the outputs
6. 2 x control buttons for the outputs

Installation

Check the following before commissioning:
- Power supply of 6 ... 24 V DC (depending on version)
- Check the polarity of the connections
- Check for electrically and mechanically perfect terminal contacts

Configuration of the device via web interface
1. Activate the power supply
2. Log in to the device's WLAN access point
   Network name: SMART_<serial number>
   Password: nuvolight123
   Address: http://192.168.4.1
3. Make the settings for your application in a web browser. You can find a detailed list of the setting options in the data sheet on our website:
   www.nuvolight.de/de/downloads

Behavior in the event of failure

Behavior in the event of failure or loss of the mains voltage
The device switches off and the NC and COM outputs are closed due to the loss of coil voltage on the relays.
Behavior if the DMX signal is lost
The outputs of the device remain unchanged (standard setting) or go to a programmed initial state (configurable via web interface)..

Replacing the device

⚠ DANGER

When changing the device, touching live parts can result in a short circuit or danger to life and limb due to an electric shock.
Before changing, de-energize all connected conductors. If ignored, there is a risk of property damage and personal injury!

Warranty

The warranty is provided within the framework of the legal provisions via Nuvolight GmbH & Co. KG.
If devices malfunction, please contact info@nuvolight.de or the support hotline.

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