Light Stream
Relay LITE

This DMX relay is designed to control lighting equipment and other devices compatible with the DMX512 protocol. The three-channel DMX relay on DIN rail with double galvanic isolation of the DMX signal (power supply of the receiver and the DMX signal itself) and relay contacts is designed for installation directly in the electrical panel.

The device is a DMX signal controlled device that switches 3 electromechanical relays. Light Stream Relay is powered from AC (in the range of 85 ~ 264VAC) or DC voltage 70-350VDC. Optionally, power supply from DC voltage 7-60VDC is possible. Connection of power supply to the Light Stream Relay, load and DMX signal is carried out using split terminal clamps (included in the kit) for wire cross-section up to 1.3 mm square.

Features

Selecting the operating mode

Manual or DMX

Status Indication:

DMX signal presence
DMX channel start address
Relay status (on/off)

Galvanic insulation

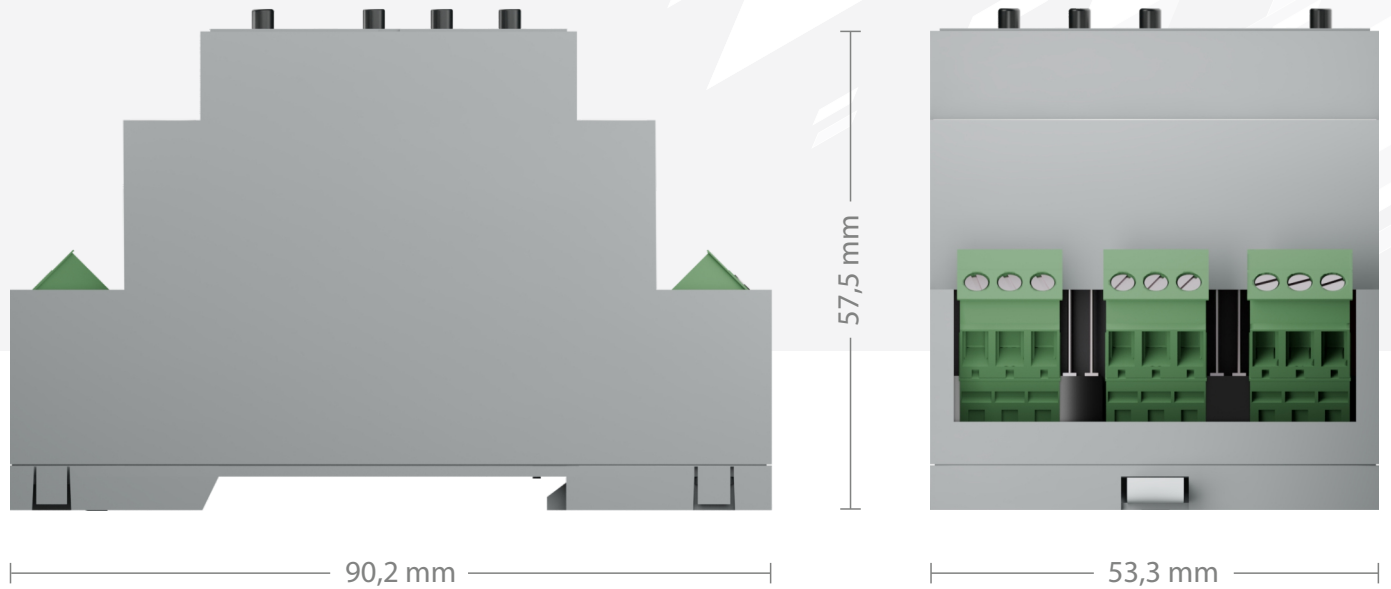The load contacts are isolated from the power supply and DMX input

Setting the DMX address

Using the buttons on the housing

Load switching
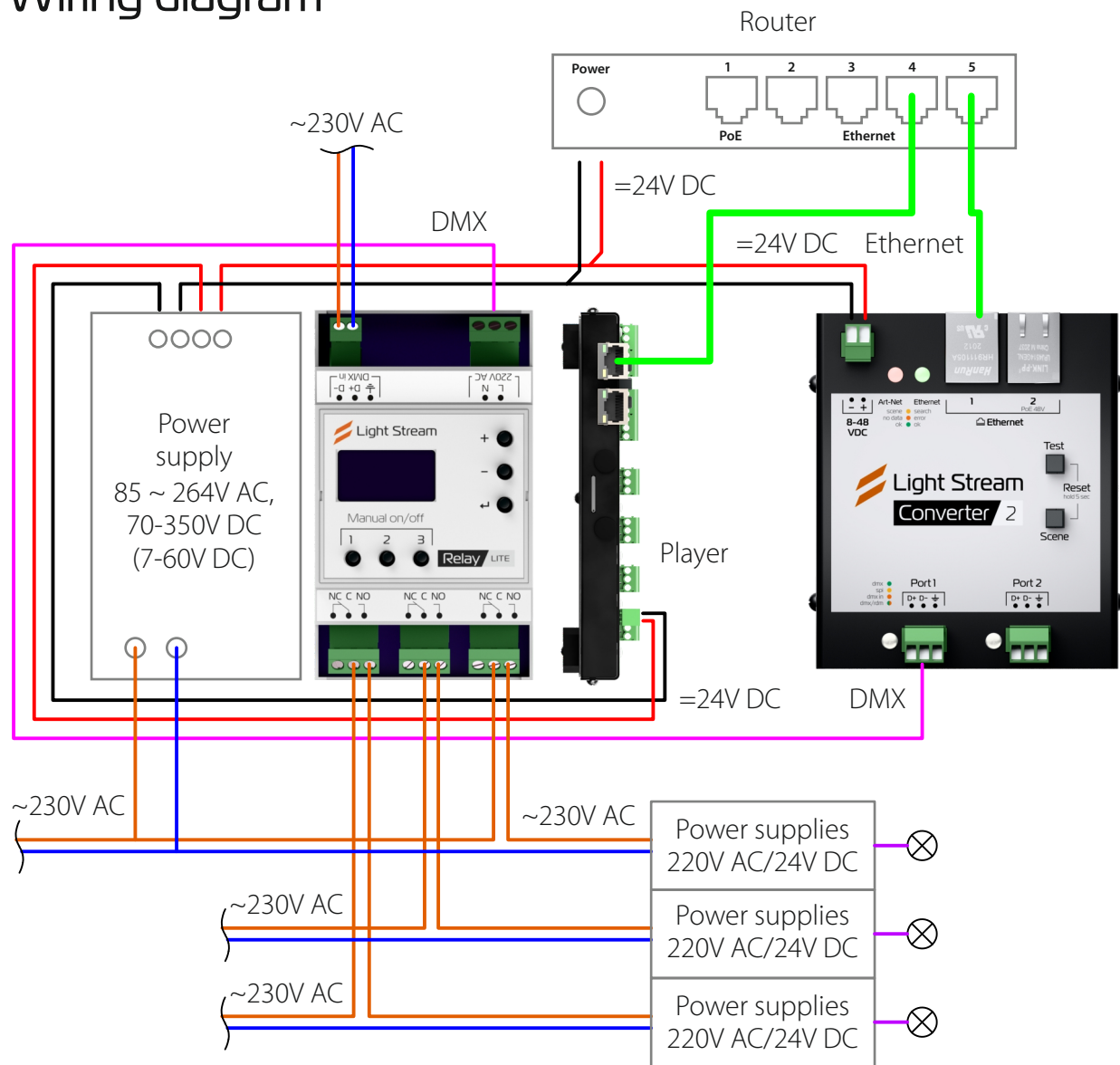
On, off and switching modes

Dimensions

90,2 mm

57,5 mm

53,3 mm

Technical specifications

Number of DMX inputs	1
Number of DMX channels	3
DMX channel values	0 to 127 - relays Off; 128 to 255 - On
DMX control start channel addresses	1 to 512
Galvanic isolation of DMX signal as well as relay contacts	Yes
Power supply voltage	85 ~ 264V AC, 70-350VDC (7-60VDC)
Maximum load current	5 A per channel
OLed information screen	Yes
Forced switching on/off of relays (priority mode "Manual")	Yes
Rated load of relay contacts	20A(15A)/125VAC; 20A/16VDC
Installation in electrical panel on DIN rail	Yes
Operating temperature range	-30…+70°C

Wiring diagram

Settings

Connection

Connect power to the relay.
Connect the DMX remote to the DMX
connector of the relay.
Connect a load to the relay's terminal block

OLED display

Second line:
"Manual": no DMX signal
"D-X": DMX signal present,
X - DMX channel start address
Line three:
"M-X": relay X enabled in manual mode
"D-X": relay X enabled by command from
DMX remote
"X": relay X disabled

Customization

Selects the mode of operation:
Manual mode: Press and hold the Manual button
1, 2 or 3.DMX mode:
Release the Manual button.
Setting the DMX address:
Press the Enter button.
Select the start address of DMX channel
with the -/+ buttons.
Press Enter to save the settings.
Load Management:
In manual mode: press Manual buttons 1, 2 or 3.
In DMX mode: control with DMX remote control.

Maintenance

Connecting cables and wires must be in good working order and securely fastened.

Safety

- Do not expose the unit to rain or moisture, as this will void the warranty.
- Do not remove the cover, there are no serviceable components inside.
- Never connect this unit to a dimmer switch.

Supply package

- Light Stream Relay LITE

Certification