

A gateway to integrate multi-color LED lighting systems  
using the Bus DMX with LonWorks home automation systems.



## MAIN FUNCTIONS

OmniDMX is equipped with a LNS Plugin that allows to quickly and easily set the simple operational parameters

- Group management using variables type SNVT\_switch and SNVT\_setting
- Occupancy indication (Occupancy controller)
- Luminosity management (Light Controller / Constant Light Controller)
- Command priority management (Override)
- Management of static and dynamic sceneries using variables type SNVT\_scene
- Management of time schedules (Work time)
- Automatic shutdown (Hardware)
- Gauge for group operations

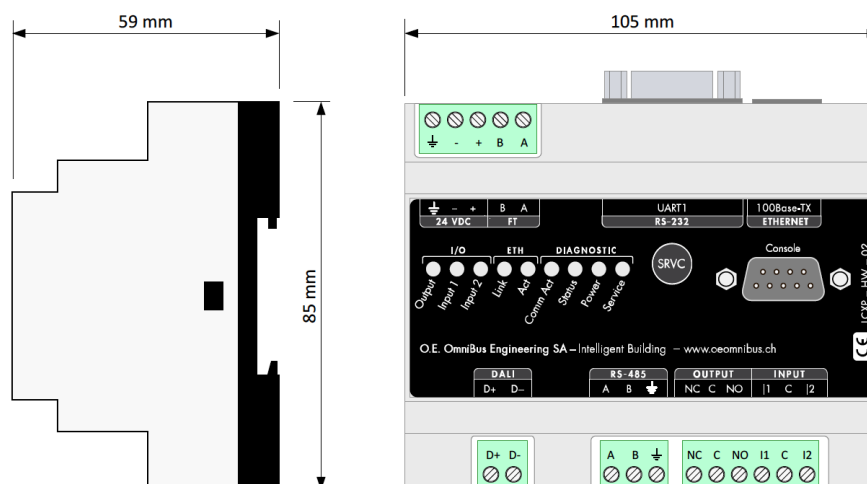


## OMNI DMX

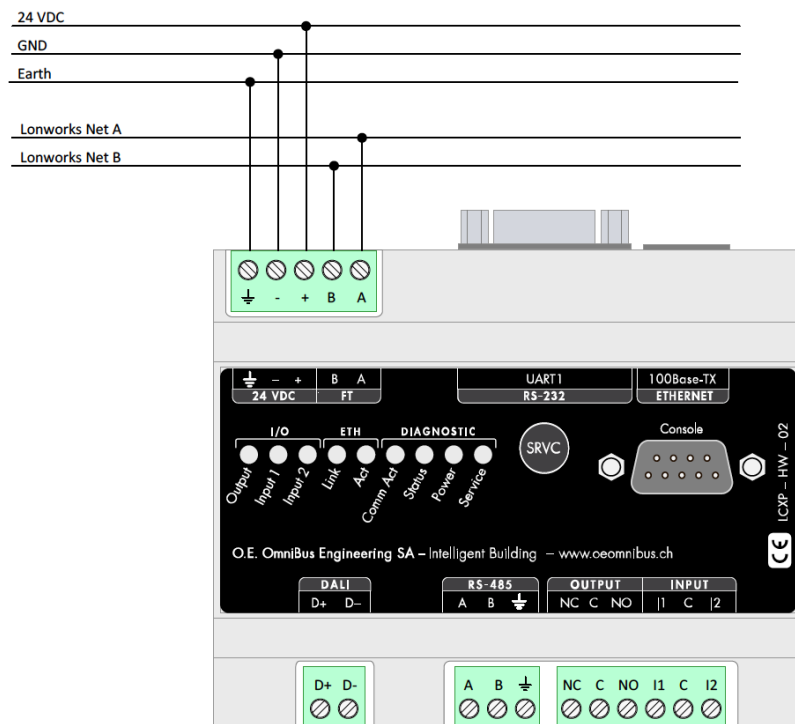
## Technical specifications

Power supply	21...27 VDC, 0.25 A (Power supply SELV according to regulation EN 60950-1) Removable connector 5-Pin 5.08 mm pitch (shared with Lonworks interface)
Communication interface	Lonworks FTT-10 78Kbps 2- wire without polarity, removable connector 5.08 mm pitch Ethernet 10/100 Mbits, with standard connector RJ45 RS-232 (interface for configuration console), male connector D-SUB 9-pin DMX512 (RS-485), removable connector 3-Pin 5.08 mm pitch
CPU	CPU 32 bits ARM7 LC3020 @ 50 MHz Real Time Clock con backup battery
Memory	8 MB Flash 16 MB SDRAM
Digital outputs	1 relay with NA and NC contacts. Characteristics of resistive loads Maximum switching power 60 W Maximum switching voltage 27 VDC Maximum switching current 2 A Removable connector 6-Pin 5.08 mm pitch (shared with digital inputs)
Digital inputs	2 self-powered inputs (potential free contacts). Removable connector 6-Pin 5.08 mm pitch (shared with digital outputs)
Environmental operating limits	Temperature: 0°...+45 °C Humidity: 10..90% @ +50°C non-condensing
Environmental limits for storage	Temperature: 0°...+45 °C Humidity: 10..90% @ +50°C non-condensing
Container	Polycarbonate container (UL 94 V-0) white (top) and black (bottom) for assembly on a DIN rail
Dimensions	105 x 115 x 60 mm (length x width x height)
Assembly	On DIN rail, according to regulation EN 50022 Do not install outdoors or in humid environments (bathrooms, swimming pools, etc.) if not in containers with proper protection for use.
Disposal	Dispose in compliance with the directives 2002/95 / EC (WEEE devices)

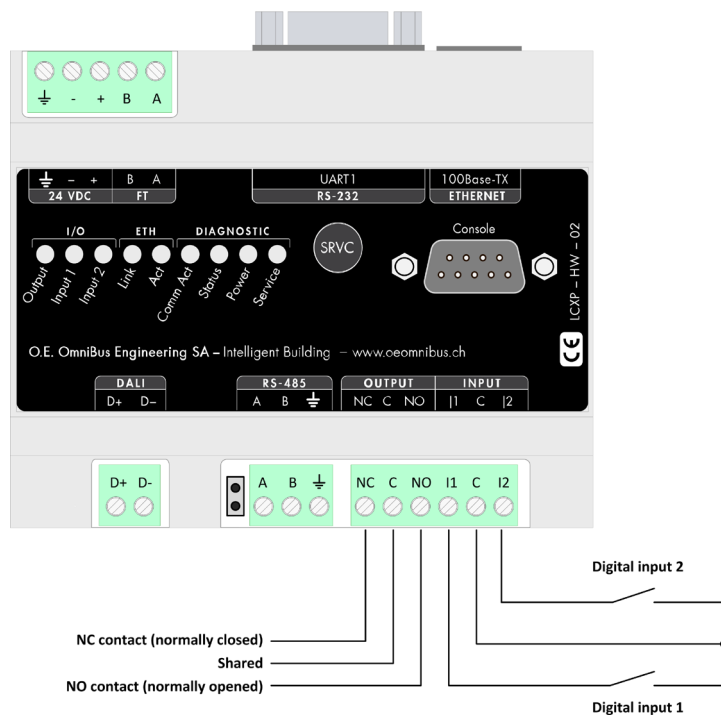
## Size and Layout



## OMNI DMX

Power supply  
and Lonworks interface

## Digital inputs and outputs



## OMNI DMX

## DMX 512 interface

