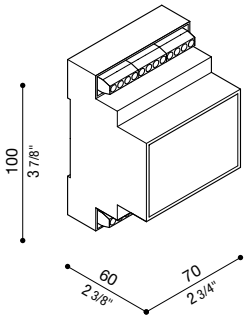
Splitter 4CH-LE

Lombardo.

LBXS004CH





Features

- Supply Voltage 12-24-48 Vdc
- 5 × Bus DMX512
- NSC, SIP
- Functional isolation
- Two-way data communication
- Signal Regeneration
- Wide temperature range
- 100% functional testing - 5-year warranty

Description

The DMX Splitter features one DMX/THRU input and 4 DMX outputs. This unit takes the incoming DMX signal and splits it into 4 separate output channels. Each output channel and the input channel are completely isolated electronically from one another; all channels have independent line drivers to amplify and regenerate the DMX signal.
The THRU input supports up to 3 different splitters. An LED indicates the presence of a signal (LED on) or the absence of a signal (LED flashing).

Code: DMX-SPLITTER-4CH-LE
Supply voltage: 12-48V DC
Channels: 4
DMX Universe: 1
DMX Channels: 4 output x 512 DMX ch
Command: DMX

Applicable Regulations

IEC 61547: Equipment for general lighting purposes - EMC immunity requirements

ANSI E1.11: Entertainment Technology - USITT DMX512-A - Asynchronous Serial Digital Data Transmission
Standard for Controlling Lighting Equipment and Accessories

ANSI E1.20: Entertainment Technology-RDM-Remote Device Management over USITT DMX512 Networks

Technical Specifications

Supply Voltage		**min: 10.8 Vdc .. max: 52,8 Vdc**		
Current Draw		min	Typ (DMX input, 4 x 120ohm load utputs)	max
	@12Vdc	10mA (0,12W)	70mA (0,84W)	500mA
	@24Vdc	<10mA (<0,12W)	40mA (0,96W)	
	@48Vdc	<10mA (<0,12W)	20mA (0,96W)	
Storage Temperature	min: -40 max: +60 °C			
Room temperature*	min: -40 max: +60 °C			
Degree of protection	IP10			
Wiring	2.5mm² solid - 1.5mm² stranded - 30/12 AWG			
Mechanical Dimensions	72 x 92 x 62 mm - DIN RAIL 4mod.			
Package Dimensions	124 x 85 x 71 mm			
Peso	125g			
Weight	512 slots NSC, SIP, RDM - Max units: 32 standard - open fail safe - short fail safe			

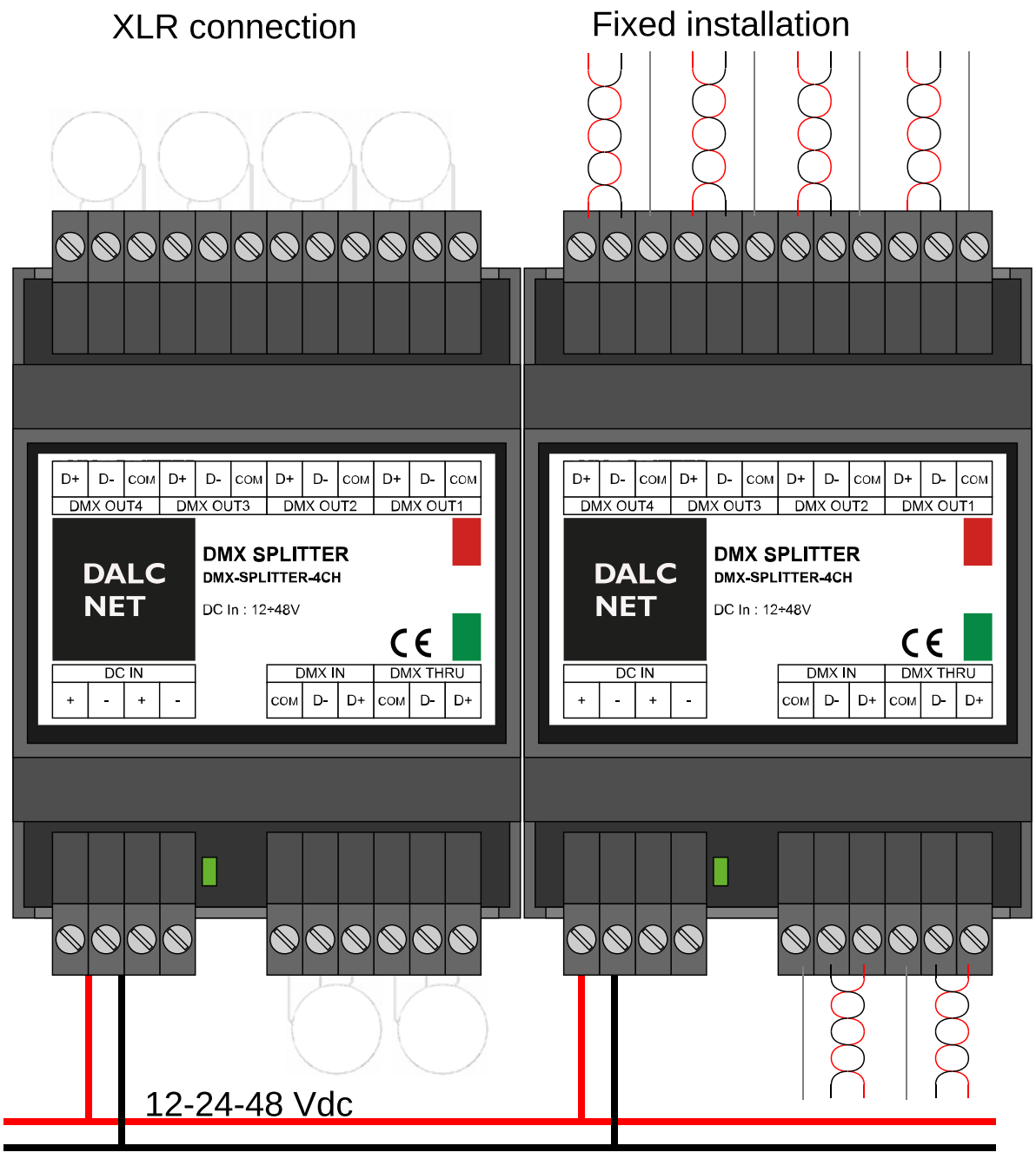
[1] *Maximum value, depending on ventilation conditions*

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Technical Notes

Installation:

- Installation and maintenance must be performed only by qualified personnel in accordance with applicable regulations.
- The product must be installed inside an electrical panel protected against overvoltage.
- The product must be installed in a vertical or horizontal position with the front panel/label facing upward or vertically; no other positions are permitted. The bottom-up position (with the front panel/label facing downward) is not permitted.
- Keep 230V (LV) circuits and non-SELV circuits separate from safety extra-low voltage (SELV) circuits and from all connections on this product. It is strictly prohibited to connect, for any reason, directly or indirectly, the 230V mains voltage to the bus or to other parts of the circuit.

Power Supply:

- For the power supply, use only SELV-type power supplies with current limiting, short-circuit protection, and appropriately rated power. If the power supplies are equipped with ground terminals, it is mandatory to connect ALL protective earth points (PE = Protection Earth) to a grounding system that is properly installed and certified.
- The connecting cables between the extra-low-voltage power source and the product must be properly sized and must be isolated from any wiring or components operating at non-SELV voltages. Use double-insulated cables.

Instructions:

- The length and type of cables connecting to the buses (DMX512 or other) must comply with the requirements defined by the specifications of the respective protocols and applicable regulations; they must be isolated from any wiring or components operating at voltages other than SELV. Use double-insulated, shielded, and twisted-pair cables.
- All devices and control signals connected to the buses (DMX512 or other) must be SELV-rated (connected devices must be SELV or, in any case, provide a SELV signal). In the case of power supplies equipped with ground terminals, it is mandatory to connect ALL protective ground points (PE = Protection Earth) to a grounding system that is properly installed and certified.

Outputs:

- The length and type of the output connection cables for the splitter's buses (DMX512 or other) must comply with the specifications of the respective protocols and applicable regulations; they must be isolated from any wiring or non-SELV voltage sources. Use double-insulated, shielded, and twisted-pair cables.
- The presence of opto-isolation in a DMX512 network does not guarantee protection against damage or injury, including electric shock caused by serious malfunctions.

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