Pathway®
Connectivity Solutions

EDIN 4-WAY DMX512 OPTO-SPLITTER

#1002
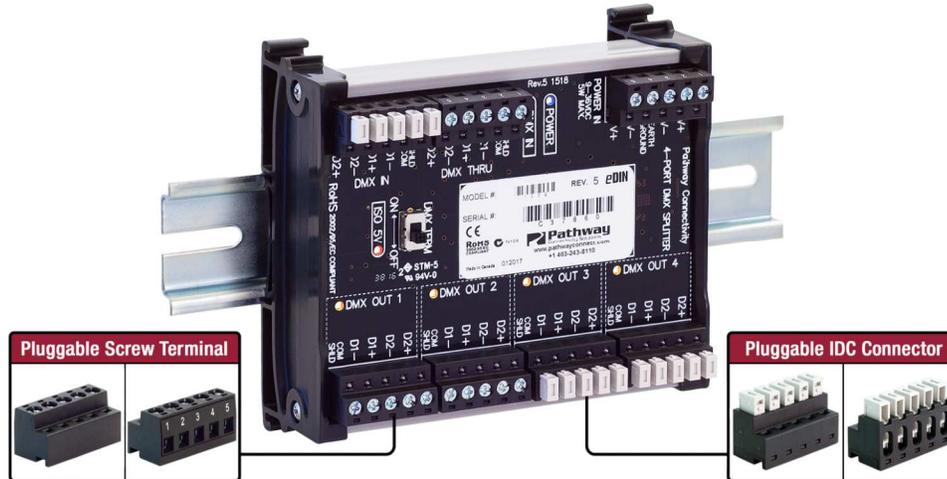
PRODUCT OVERVIEW

An essential part of any permanent DMX512 distribution system, the DIN-rail mountable eDIN #1002 enables 'star' wiring configurations of DMX512 data lines. Each buffered output is isolated from the DMX input and protects all connected end-devices from harmful electrical faults and ground loops.

FEATURES

- One DMX512 input
- Four buffered DMX512 outputs
- One passive DMX512 thru connector
- Pluggable screw terminal connector block for power in and out
- Two sets of pluggable terminal blocks for all DMX512 connections to support both shielded twisted pair and CAT5/6
- Power and data easily daisy-chained between modules
- DMX IN indicator
- DC power input indicator
- ISO 5V indicator
- Termination switch
- No fuses - self-resetting port protection recovers from voltage faults

SPECIFICATIONS

- 1500V opto-isolation between input and output ports
- 250V fault protection on input and output ports
- Input operating voltage: 9-30 VDC
- 5W power consumption
- Operating conditions: -10 to +50°C; 10-90% relative humidity, non-condensing

STANDARDS COMPLIANCE

- ANSI E1.11 DMX512-A(2008)/USITT DMX512(1990)
- CE/FCC
- RoHS 2002/95/EC
- Class 2 Low Voltage

WEIGHTS AND DIMENSIONS

- 0.50 lbs (0.26 kg)
- 3.6"W x 4.5"L x 1.5"H (91mm x 115mm x 38mm)

INCLUDED FURNISHINGS

- DIN tray (housing) with end caps
- 12" (300mm) x 35mm DIN rail
- Installation/Operations manual

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APPLICATION RISER
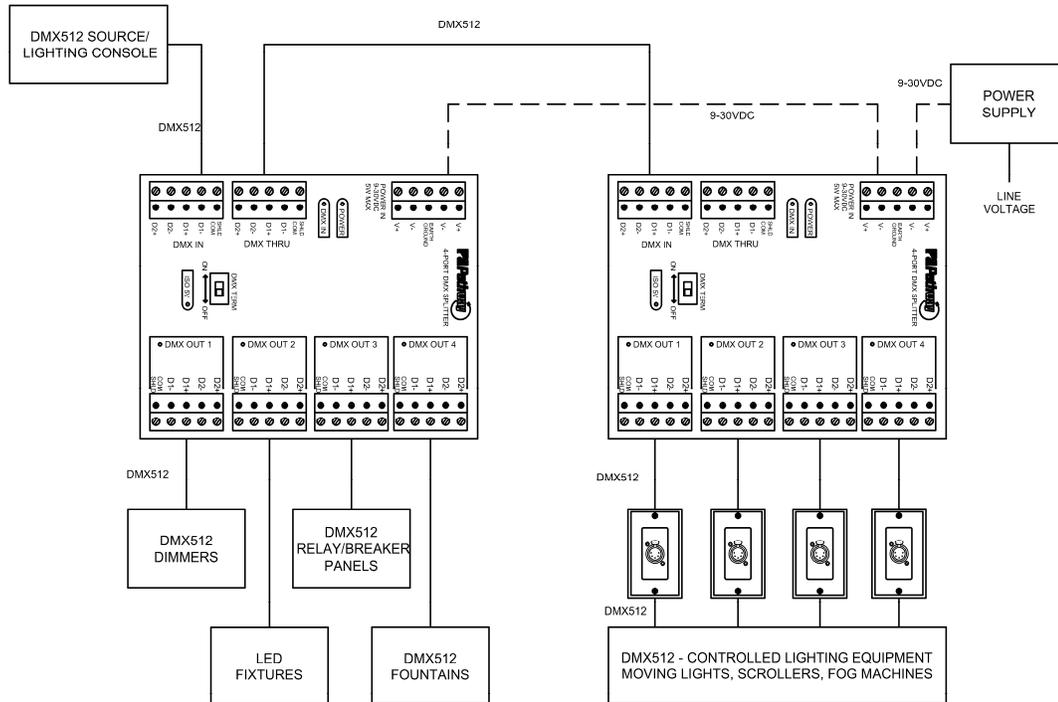
	XLR PIN #	PURPOSE
DMX512/RDM PINOUT : FOR SHIELDED TWISTED PAIR	1	Shield
	2	Data - (complement)
	3	Data + (true)
	4	Data - (pair 2 complement)
	5	Data + (pair 2 true)

	XLR PIN #	Cat5/6 Color and Pin #	PURPOSE
DMX512/RDM PINOUT : FOR CAT 5/6	3	1 - White/Orange	Data 1 + (true)
	2	2 - Orange	Data 1 - (complement)
	5	3 - White Green	Data 2 + (true)
	4	6 - Green	Data 2 - (complement)
	-	4 - Blue	Not used - do not connect
	-	5 - White Blue	Not used - do not connect
	1	7 - White/Brown	Shield/COM
	1	8 - Brown	Shield/Com

ORDERING INFORMATION

PART #	DESCRIPTION
1002	eDIN DMX512 Opto-Splitter, 1 in/4 out
ACCESSORIES	
1001-30	24VDC - 30W DIN-mountable power supply
1103	Rack-mount panel Kit (2RU) with two 16.5" (420mm) sections of DIN rail
1105	Small eDIN System Enclosure (NEMA1) with 9.5" (240mm) of vertical DIN rail
1106	Large eDIN System Enclosure (NEMA1) with 19.5" (495mm) of vertical DIN rail
1107	Large eDIN System Enclosure (NEMA1) with three horizontal 9.5" (240mm) horizontal DIN rail
1108	Small eDIN System Enclosure (NEMA1) with two horizontal 9.5" (240mm) DIN rail
1109	Expanded eDIN System Enclosure (NEMA1) with three vertical 24"(610mm) DIN rail

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