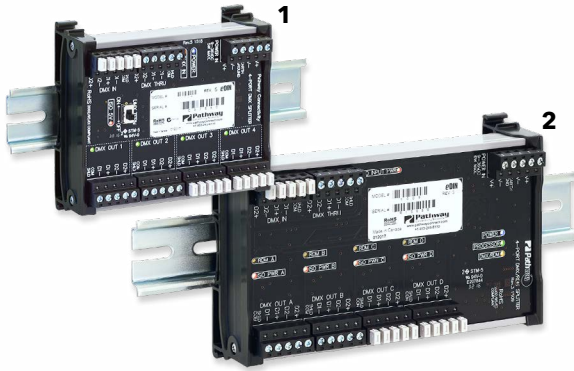


REPEATER DIN-MOUNT DMX/RDM OPTO-SPLITTER



Models shown: 1. PWREP DIN P4 NONRDM
2. PWREP DIN P4 RDM

WARRANTY

3-year limited warranty. Complete warranty terms located at:
<https://www.acuitybrands.com/support/warranty>

NOTE

Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.



OVERVIEW

The Pathway DMX Repeater series of opto-splitters are an essential component of DMX distribution systems, permitting star-wiring configurations while isolating and protecting equipment from electrical faults.

The RDM model supports the bi-directional communication standard E1.20 Remote Device Management (RDM).

The Pathway DIN-mount DMX Repeaters provide the same robust features of our Rack-mount 8 port opto-splitters, but in a convenient, more compact, DIN-mountable form factor intended for permanent installs.

FEATURES

- 4 DMX512 Outputs [DMX Only model], or 4 Bi-directional DMX512/RDM Ports [RDM model]
- 1 DMX512 Input, 1 Passive DMX512 Thru [Non RDM model] or Active bi-directional DMX512/RDM Thru [RDM model]
- DMX line termination switch [DMX Only model]
- No fuses - self-resetting port protection recovers from voltage faults
- LED Indicators for Port Activity, Power, DMX Input, and Iso Power
- Data and power easily daisy-chained to other DIN units
- Mounts to standard 35mm DIN rail
- Includes both compression-screw and Insulation Displacement Contact (IDC) terminal block connectors
- Also available in Rack-mount (PWREP RM) and Wall-mount (PWREP WM) form factors, as well as Merger and Hub models available (PWREP DIN [xxxx] RDMHUB)

ORDERING INFORMATION

PWREP			EXAMPLE: PWREP DIN P4 RDM	
Series	Form Factor	Port Quantity	Model	
PWREP Pathway DMX Repeater	DIN DIN-mount	P4 4 DMX Ports	NONRDM	DMX Only (4.5")
			RDM	E1.20 RDM Compliant (6.25")

Accessories			
PWPWR DIN TERM 50W 24VDC	Power Supply, DIN-mount, Compression Fit Terminal, 50 Watts, 24 Volts DC	PWENC MED HOR	DIN System Enclosure, Medium 10" x 23" x 4.5", Horizontal Rails
PWENC SHELF HOR	DIN System Enclosure, 2-RU Shelf unit with 2x16.5", Horizontal Rails	PWENC LRG VER	DIN System Enclosure, Large 18.5" x 31.5" x 6.25", Vertical Rails
PWENC SML VER	DIN System Enclosure, Small 10" x 13" x 4.5", Vertical Rails	PWCON SPARE IDC5 Q4	Connector, Spare, 5-Pin Insulation Displacement Contact Connector, (Qty 4)
PWENC MED VER	DIN System Enclosure, Medium 10" x 23" x 4.5", Vertical Rails	PWCON SPARE CSC5 Q4	Connector, Spare, 5-Pin Compression Screw Connector, (Qty 4)
PWENC SML HOR	DIN System Enclosure, Small 10" x 13" x 4.5", Horizontal Rails		

SPECIFICATIONS

Electrical	Input Ratings	9-36VDC power input 6W maximum power consumption	
	Isolation & Fault Protection	PWREP DIN P4 NONRDM 1500V isolation from DMX Input to DMX Outputs 250V fault protection on DMX ports PWREP DIN P4 RDM 3000V isolation between DMX Ports (1500V isolation from any DMX port and DMX Thru) 250V fault protection on DMX ports	
	Regulatory Compliance	CE	
Mechanical	Dimensions	PWREP DIN P4 NONRDM 4.5" W x 4" H x 1.85" D (114mm W x 103mm H x 47mm D) PWREP DIN P4 RDM 6.25" W x 4" H x 1.85" D (159mm W x 103mm H x 47mm D)	
	Weight	PWREP DIN P4 NONRDM PWREP DIN P4 RDM	0.5 lbs (0.26 kg) 0.7 lbs (0.32 kg)
Environmental	Operating Temperature	14°F to 113°F (-10°C to 45°C)	
	Relative Humidity	5-95%, non-condensing	
	Standard Compliance	RoHS 2011/65/EU + A1 2015/863	
General	Compliance	PWREP DIN P4 NONRDM ANSI E1.11 DMX512-A R2013 PWREP DIN P4 RDM ANSI E1.11 DMX512-A R2013 ANSI E1.20 RDM - Remote Device Management	
Government Procurement	BAA	Buy America(n) Act: Product qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations.	
	BABA	Build America Buy America: Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act.	
		Please refer to www.acuitybrands.com/buy-american for additional information.	

PART NUMBER CROSS-REFERENCE

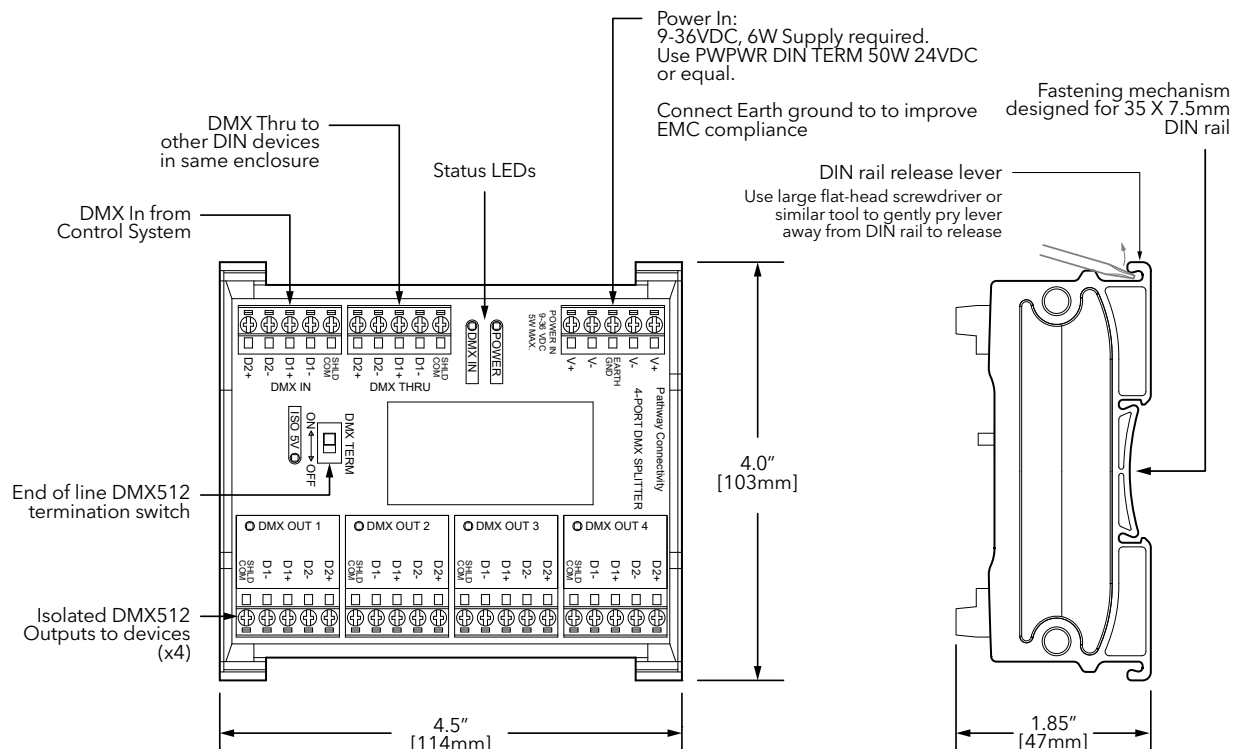
PREVIOUS	NEW	
Part Number	Catalog Number	Description
1002	PWREP DIN P4 NONRDM	DMX Repeater, DIN-mount, 4-Ports, DMX Only (4.5")
1009	PWREP DIN P4 RDM	DMX Repeater, DIN-mount, 4-Ports, E1.20 RDM Compliant (6.25")

WIRING

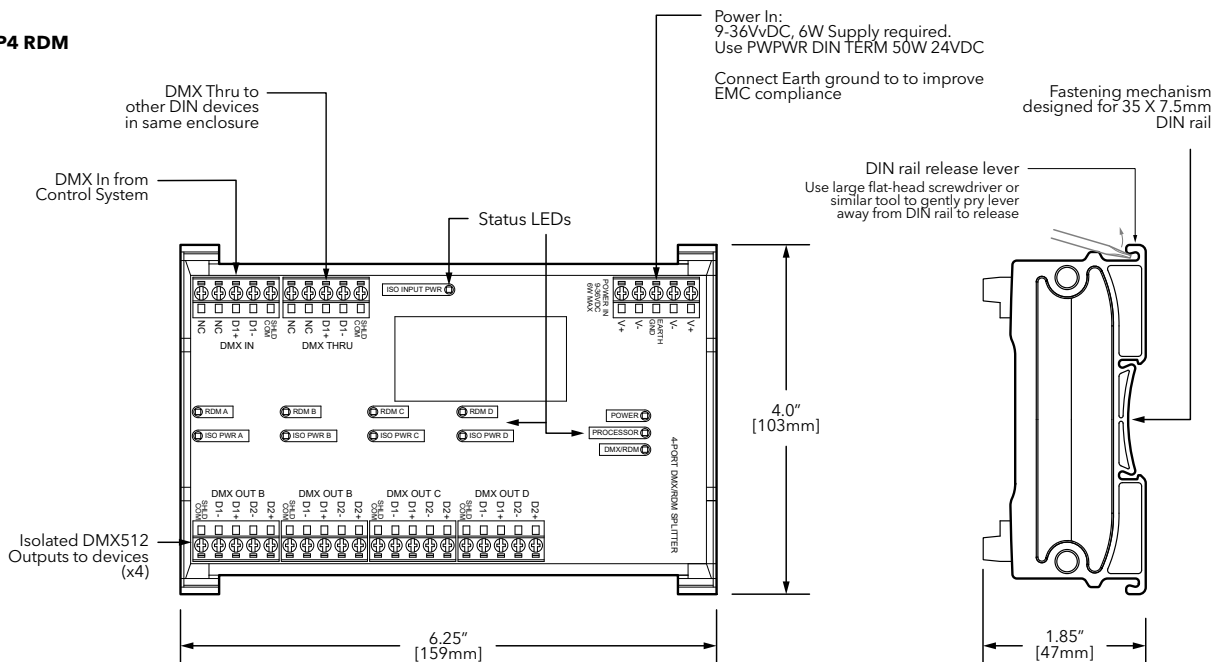
DMX512 / RDM PINOUT		
Purpose	XLR / Terminal Block Pin #	RJ45 PIN # and Wire Color
Shield / Common	1	7 - White / Brown
Data - (complement)	2	2 - Orange
Data + (true)	3	1 - White / Orange
Not Used	4	6 - Green
Not Used	5	3 - White / Green
Not Used - Do Not Connect	N/A	4 - Blue
Not Used - Do Not Connect	N/A	5 - White / Blue
Not Used - Do Not Connect	N/A	8 - Brown

DIMENSIONS

PWREP DIN P4 NONRDM



PWREP DIN P4 RDM

[illegible]