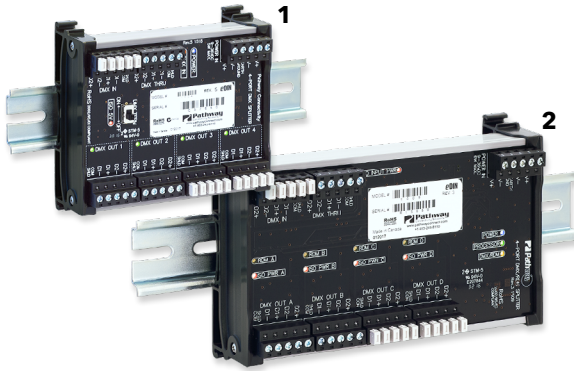


# REPEATER DIN-MOUNT DMX/RDM OPTO-SPLITTER



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

## WARRANTY

3-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: [www.acuitybrands.com/support/warranty/terms-and-conditions](http://www.acuitybrands.com/support/warranty/terms-and-conditions)

## NOTE

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

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

## 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)

## SPECIFICATIONS

### Electrical

**Input Ratings** 9-30VDC 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** 0.5 lbs (0.26 kg)  
**PWREP DIN P4 RDM** 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

## PART NUMBER CROSS-REFERENCE

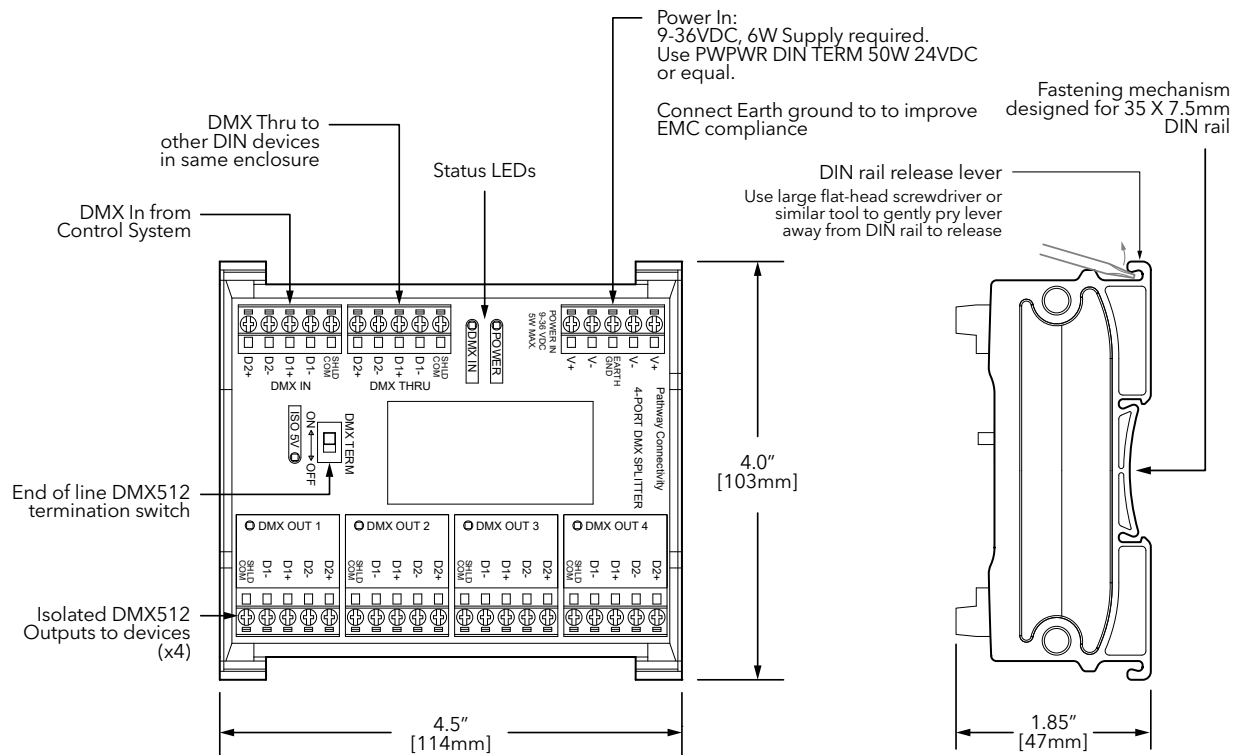
PREVIOUS		NEW	
Part Number	Catalog Number	Description	
1002	PWREP DIN P4 NONRDM	DMX Repeater, DIN-mount, 4-Ports, DMX Only (4.5")	
1009	PWREP DIN P4 RDM	DMX Repeater, DIN-mount, 4-Ports, E1.20 RDM Compliant (6.25")	

## 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 </tr	

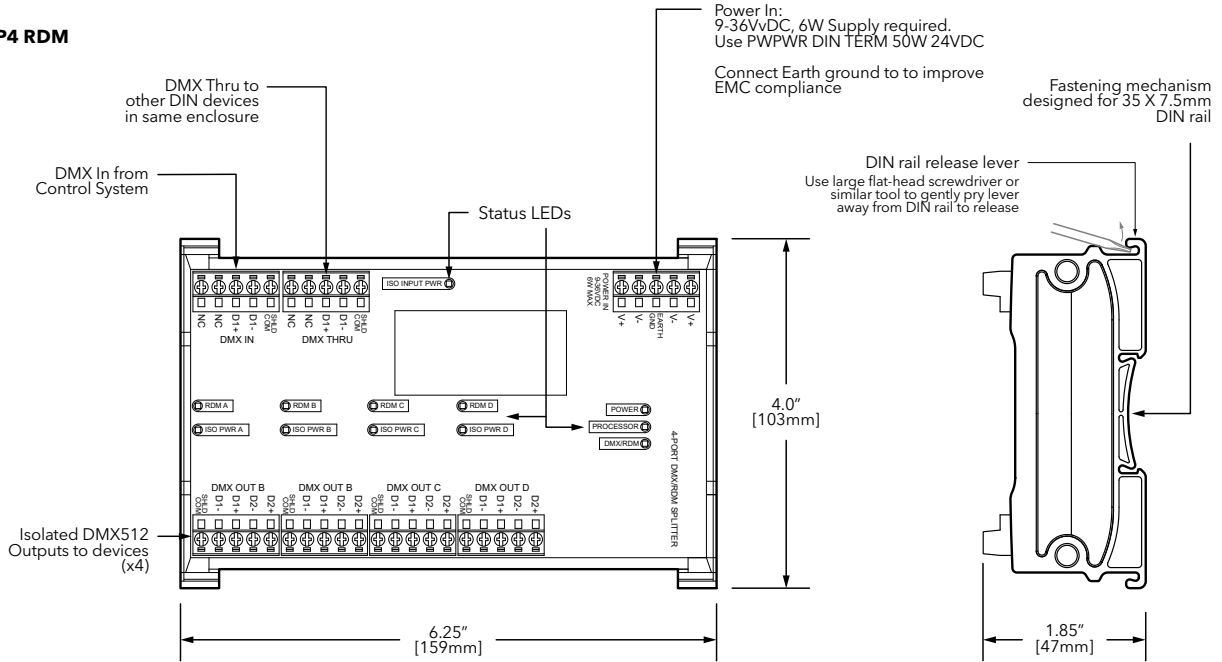
## DIMENSIONS

### PWREP DIN P4 NONRDM



## DIMENSIONS

### PWREP DIN P4 RDM



## APPLICATION RISER

