ENTTEC

DIN RDS4 – Datasheet

4 way DMX/RDM splitter in compact 4-module DIN-rail form factor.

AUSTRALIAN
DESIGNED + MADE

ENTTEC's DIN RDS4 is a robust, reliable installation grade 4 port DMX & RDM Isolated splitter engineered to take any architectural, commercial or entertainment project to the next level.

Use the DIN RDS4 to turn one DMX feed into 4, eliminating the need to create long, complex DMX chains. Each port is the beginning of a new chain. Multiple RDS4's can be chained together to create as many outputs as you need.

1500V isolation between the DMX input, outputs and between any individual port protects your DMX source from power surges on the DMX line alongside blocking stray voltage from crossing to other DMX chains.

The DIN RDS4 is packed with installer friendly features including a flexible 7-24VDC power input range, removable terminal plugs for simple wiring, and no configuration needed. All housed within a compact, electrically insulated form factor with flexible mounting options.

Features

■ **1 DMX/RDM input & 4 DMX/RDM outputs.**

■ **Pluggable screw terminal connectors.**

■ **Forward facing LED status indicator to view current DMX/RDM traffic.**

■ **Support for DMX512-A and ANSI E1.20 RDM.**

■ **Output refresh rate mimics the input.**

■ **Electrically insulated case material.**

■ **Surface or TS35 DIN rail mount.**

■ **No configuration required.**

■ **7V-24V DC power input.**

■ **1500V Opto-isolation between each DMX port to protect against stray voltages on the DMX line.**

■ **Operating temp: -20°C to 50°C.**

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DIN RDS4 (72004)
Visit the ENTTEC website for the latest version.

Specification

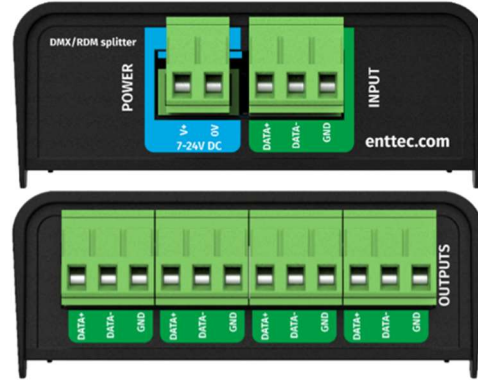| Connectors	1* DMX Input (3 Pin Phoenix)
	4* DMX Output (3 Pin Phoenix)
	1* Power Input (2 Pin Phoenix)
IP rating	IP20
LED indicators	Yes
Supported protocols	USITT DMX512-A
	ANSI E1.20 RDM
Bi-Directional	No
Max. output channels	1 universe (512ch)
Max. output refresh rate	43FPS
Firmware updates	No
Input voltage	7.5V to 24V DC
Max. power draw	5W
Max. heat dissipation	5W
Environmental operating temperature	-20°C to 50°C -4°F to 122°F
Environmental operating humidity	5- 95% (non-condensing)
Body material	ABS plastic
Mounting options	Surface mount
	TS35 DIN Rail mount
Unit dimensions	100.5*72.25*34 mm
Unit weight	0.10kg / 0.22lbs
Shipping dimensions	140*140*40 mm
Shipping weight	0.16kg / 0.35lbs
Warranty	3 year return to base manufacturer warranty

Certification

Box contents

- DIN RDS4
- TS35 DIN clip & screws

Screw terminal connectors

Application diagram

Safety

- Do not expose the device to rain or moisture. This unit is intended for indoor use only.
- Do not remove the cover, there are no user serviceable parts inside.
- Never connect DMX GND to an electrical 'earth' connection.

Before handling or specifying the DIN RDS4 on your project, refer to its User Guide for wiring diagrams, installation guidance & safety notes.

Ordering information

For further support and to browse ENTTEC's range of products visit the ENTTEC website.

Item	SKU
DIN RDS4	72004

enttec.com

MELBOURNE AUS / LONDON UK / RALEIGH-DURHAM USA

Due to constant innovation, information within this document is subject to change.