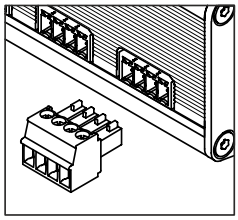
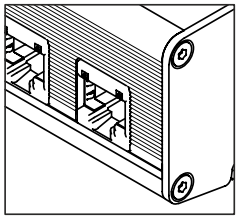
Din Rail Installation Splitter

ISP-4





4-way Optically Isolated
DMX Splitter & RDM Hub
for Installation on Din Rail

- DMX splitter / booster
- DMX repeater
- Input optically isolated
- Each output individually optically isolated
- RDM support (optional)
- Rugged metal housing
- Built-in termination

The DMX splitters of the ISP-4 line of products boost an incoming DMX signal and provide it on four output ports. This allows for safely going beyond the 32 devices limit of the DMX standard, as well as for building star topologies.

The ISP-4 splitters also act as repeaters, and thus they may be used for transporting a DMX signal across larger distances.

DMX signals often get disturbed by the environment or even by the devices connected to the signal line. An ISP-4 splitter may completely clear the disturbances if it is connected at a location where the signal is still “readable”.

Providing four individually optically isolated outputs, as well as an optically isolated input, the ISP-4 splitters may prevent harmful voltages applied to a given port from affecting the other ports and damaging the connected equipment.

The bidirectional ISP-4R variants work within DMX / RDM environments, as well as in pure DMX environments.

Therefore, ISP-4R splitters are a good solution not only for current RDM users, but also for those who expect to use RDM in the future. The ISP-4D variants on the other hand only work with DMX, while they ignore any RDM data.

ISP-4 splitters are Din rail mountable and powered by an external power supply unit.

Fields of Application

- Architectural Lighting
- Churches
- Schools
- Convention Centers
- Theme Parks
- Theaters, Operas
- Multimedia Shows

Applications

- Boost / repeat DMX signals
- Regenerate / clean DMX signals
- Prevent reflection issues
- Split DMX signals and build star topologies
- Connect a large number of fixtures to a single universe
- Protect expensive equipment

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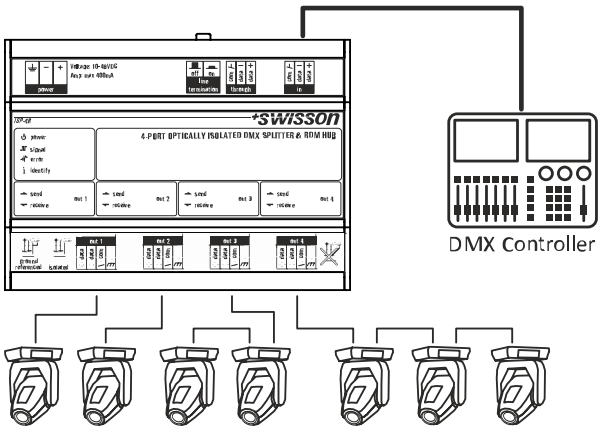
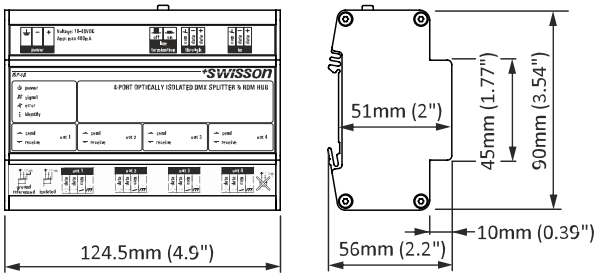
Typical Application



Specification



Weight..... 400 g / 0.9 lb.

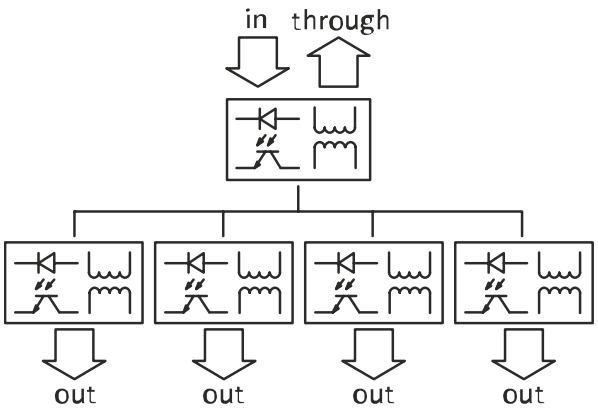
Ambient temperature..... –30 – 55°C / –22 – 131°F

Typical power consumption ..... 4 W

DC power input..... 10 – 48 V DC, max. 400 mA

DMX..... ANSI E1.11
RDM ..... ANSI E1.20 (optional)

Signal ports EIA-485



Each port of the ISP-4 is individually optically isolated.

DMX Variants

ISP-4D-DC-TERM 20 10 10
DMX splitter, Din rail, pluggable screw terminals, 10 – 48 V DC.

ISP-4D-DC-RJ45A 20 10 15
DMX splitter, Din rail, RJ45, pinout: according to DMX standard (1:+, 2:-, 7&8:com), 10 – 48 V DC.

ISP-4D-DC-RJ45B 20 10 16
DMX splitter, Din rail, RJ45, pinout: alternative (1:-, 2:+, 3:com), 10 – 48 V DC.

DMX & RDM Variants

ISP-4R-DC-TERM 20 10 20
DMX & RDM splitter, Din rail, pluggable screw terminals, 10 – 48 V DC.

ISP-4R-DC-RJ45A 20 10 25
DMX & RDM splitter, Din rail, RJ45, pinout: according to DMX standard (1:+, 2:-, 7&8:com), 10 – 48 V DC.

ISP-4R-DC-RJ45B 20 10 26
DMX & RDM splitter, Din rail, RJ45, pinout: alternative (1:-, 2:+, 3:com), 10 – 48 V DC.

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