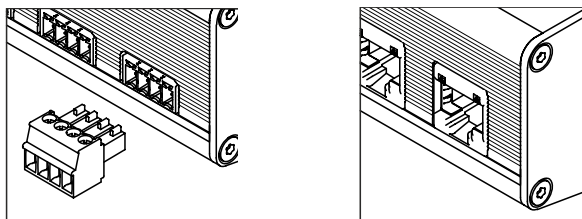


DIN Rail Installation Splitter ISP

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
- Rugged metal housing
- Built-in termination



The DMX splitters of the ISP-4/ISP-6 line of products boost an incoming DMX signal and provide it on four/six 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 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 splitter may completely clear the disturbances if it is connected at a location where the signal is still “readable”.

Providing four/six individually optically isolated outputs, as well as an optically isolated input, the ISP-4/ISP-6 splitters may prevent harmful voltages applied to a given port from affecting the other ports and damaging the connected equipment.

The bidirectional ISP-4/ISP-6 splitters work within DMX/RDM environments, as well as in pure DMX environments.

Therefore, ISP splitters are a good solution not only for current RDM users, but also for those who expect to use RDM in the future.

ISP splitters are DIN rail mountable and powered by an external power supply unit.

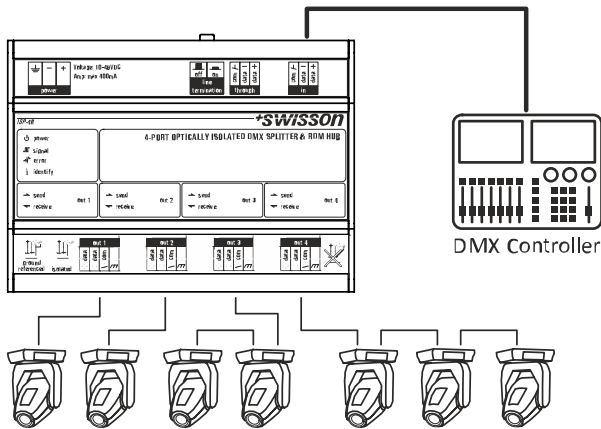
Fields of Application

- 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

Typical Application



ISP-4 (four DMX output ports)

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.

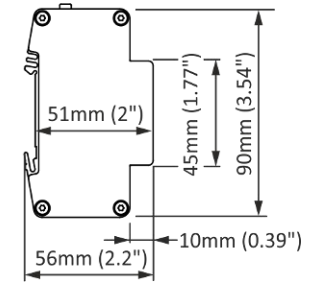
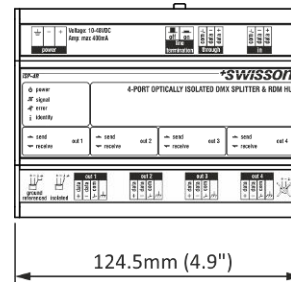
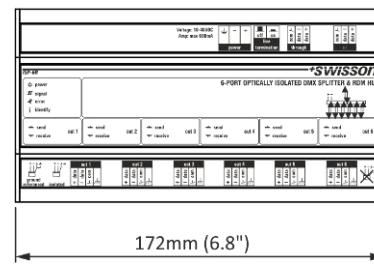
ISP-6 (six DMX output ports)

ISP-6R-DC-TERM 20 10 30
DMX & RDM splitter, DIN rail, pluggable screw terminals, 10 - 48 V DC.

ISP-6R-DC-RJ45A 20 10 35
DMX & RDM splitter, DIN rail, RJ45, pinout: according to DMX standard (1:+, 2:-, 7&8:com), 10 - 48 V DC.

ISP-6R-DC-RJ45B 20 10 36
DMX & RDM splitter, DIN rail, RJ45, pinout: alternative (1:-, 2:+, 3:com), 10 - 48 V DC.

Specification



Weight ISP-4 400 g / 0.9 lb.

Weight ISP-6 560 g / 1.25 lb.

Ambient temperature -30 - 55°C /
-22 - 131°F

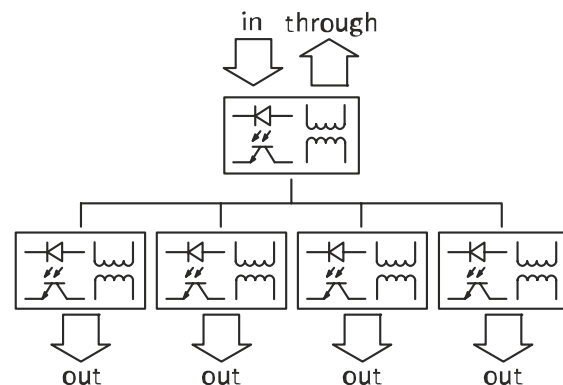
Power consumption 4 W (ISP-4)
6 W (ISP-6)

DC power input 10 - 48 V DC

DMX..... ANSI E1.11

RDM..... ANSI E1.20

Signal ports..... EIA-485



Each port of the ISP-4/ISP-6 is individually optically isolated.

