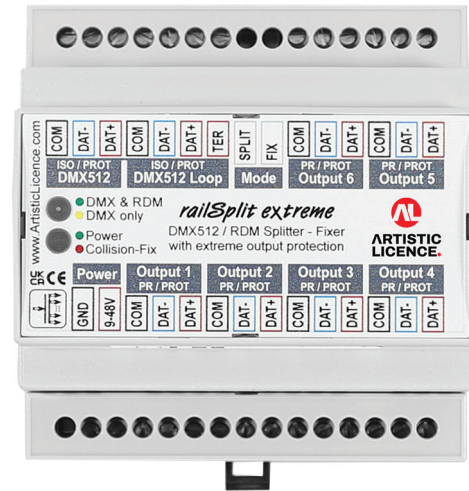


railSplit Extreme

Description

railSplit Extreme is a DIN Rail mounted, 6 output, DMX512 splitter providing DMX and RDM distribution in a compact, installation friendly format optimised for harsh conditions and for use in electrically noisy environments.

With an optically isolated DMX512 input and 6 buffered outputs, railSplit Extreme is a robust and reliable choice for any fixed installation environment. It can survive mains electrocution of up to 425 VAC continuous connection on the input, loop and outputs with surge protection aimed at protecting the product and connected equipment against voltage surges of the type generated by lightning.



Mechanical

- Mounting: DIN rail (35 mm) or surface
- Material: Polycarbonate Plastic - UL94-V0 rated
- Overall Dimensions: 88mm / 5M (W) x 90mm (H) x 62mm (D)
- Mass: 0.2 kg

Environmental

- Operating temperature: 0°C to 40°C
- Storage temperature: -10°C to +50°C
- Operating relative humidity (max): 80% non-condensing
- IP rating: IP20 indoor use only
- Certification: CE, WEEE, RoHS

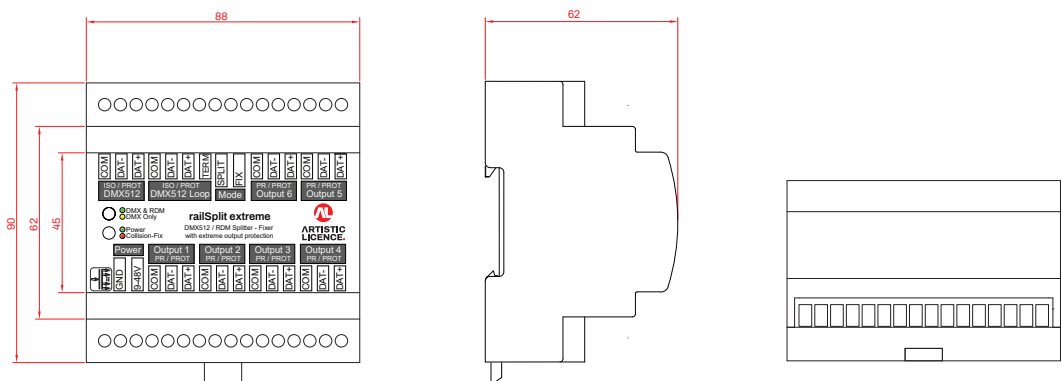
Power & Electrical

- Input voltage: 9-48 VDC
- Input power (max): 8W
- DC fuse: Internal resettable fuse for control electronics
- Terminal Type: rising clamp
 - Max capacity: 2.5mm CSA – quantity 1
 - Torque: Recommended 0.5Nm. Maximum 0.6Nm
 - Stripping length: 5.5-6.5mm

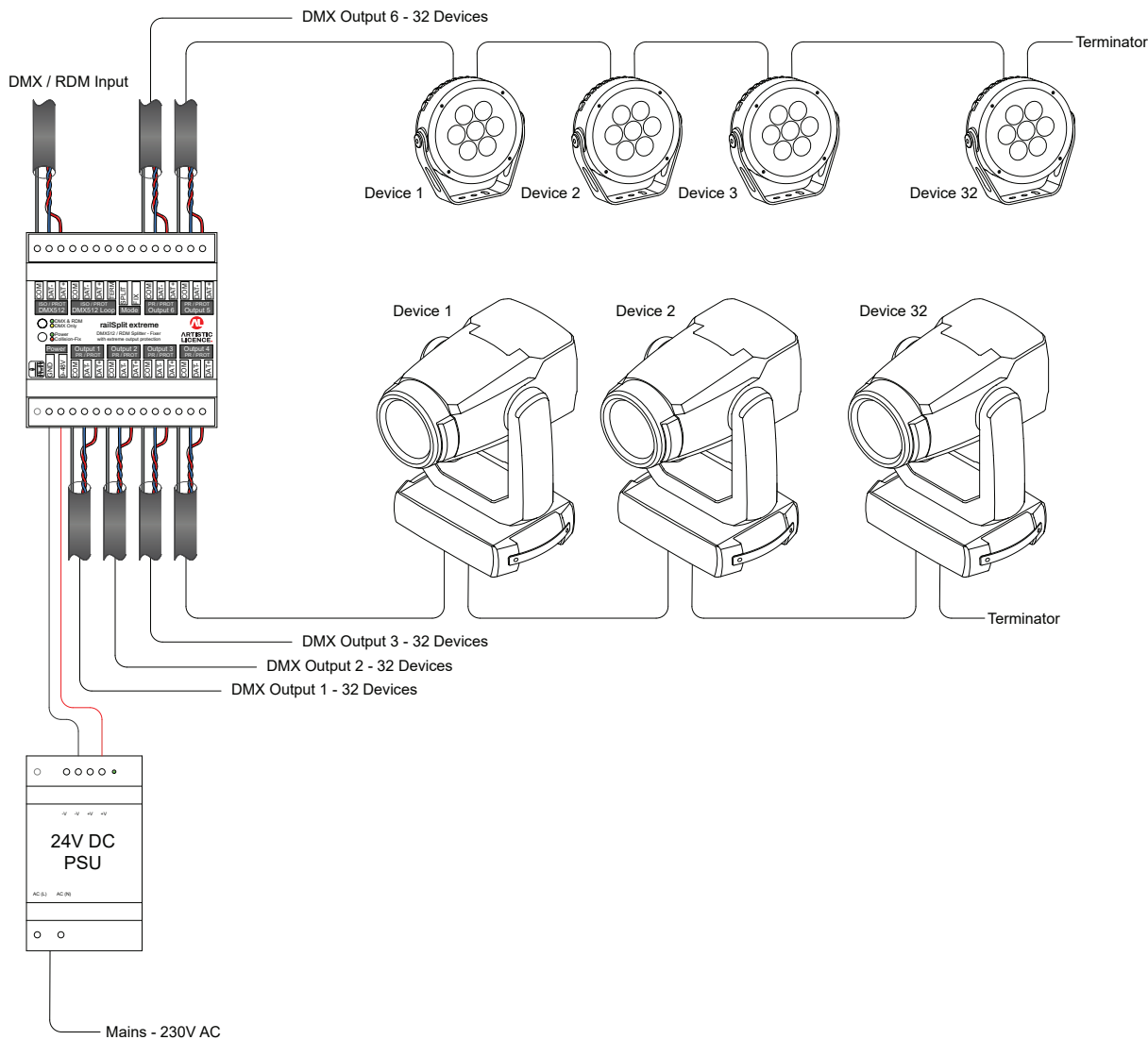
Inputs, Outputs & Indicators

- Power input - quantity 1
 - 2-pin screw terminal
- DMX input/loop - quantity 1
 - Input: 3-pin screw terminal
 - Loop: 3-pin screw terminal + Terminator
 - Protocols: DMX512, DMX512(1990), DMX512-A
 - RDM V1.0 (E1.20 - 2006 ESTA Standard)
 - Input mode: Optically isolated
- DMX outputs - quantity 6
 - Outputs: 3-pin screw terminals
 - Protocols: Follows input
 - Output mode: Ground referenced
 - Output voltage protection: +/- 10 V
 - Electrocutation protection: Input, Loop and all outputs protected against continuous connection to 425 VAC (self-healing)
 - Surge protection devices (Input, Loop and all outputs): GDT (gas discharge tube) conforming to IEC61643-311 (sacrificial)
 - Surge protection max Impulse Discharge Current: IDC 30,000A (8/20uS) - 1 operation; IDC 20,000A (8/20uS) - 10 operations; IDC 20A (10/1000uS) - 1500 operations
- LED Indicators
 - Power
 - DMX
 - RDM

Dimensions



Application diagram



railSplit Extreme datasheet 20260608 V0

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