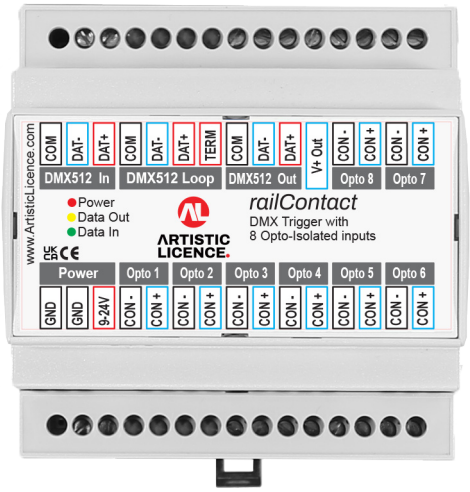
railContact

Description

railContact provides 8 contact closures inputs, enabling simple, low-level integration with a DMX control solution.

It is possible to cascade two railContacts together to form a 16 channel device. When connected, the two devices automatically set their DMX addresses consecutively, 1-8 and 9-16.

railContact is ideally suited to the connection of external sensors, switches, beam-breaks or other simple input devices.



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

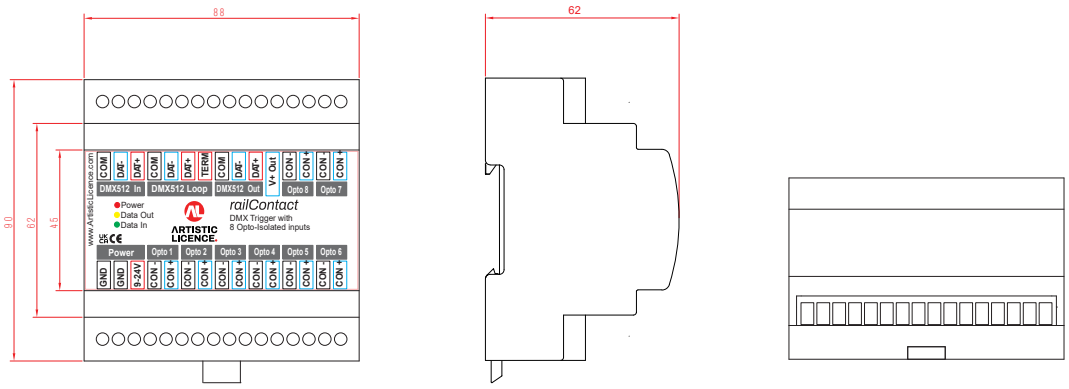
Power & Electrical

- Input voltage: 9-24VDC
- Input power (max): 10W
- 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

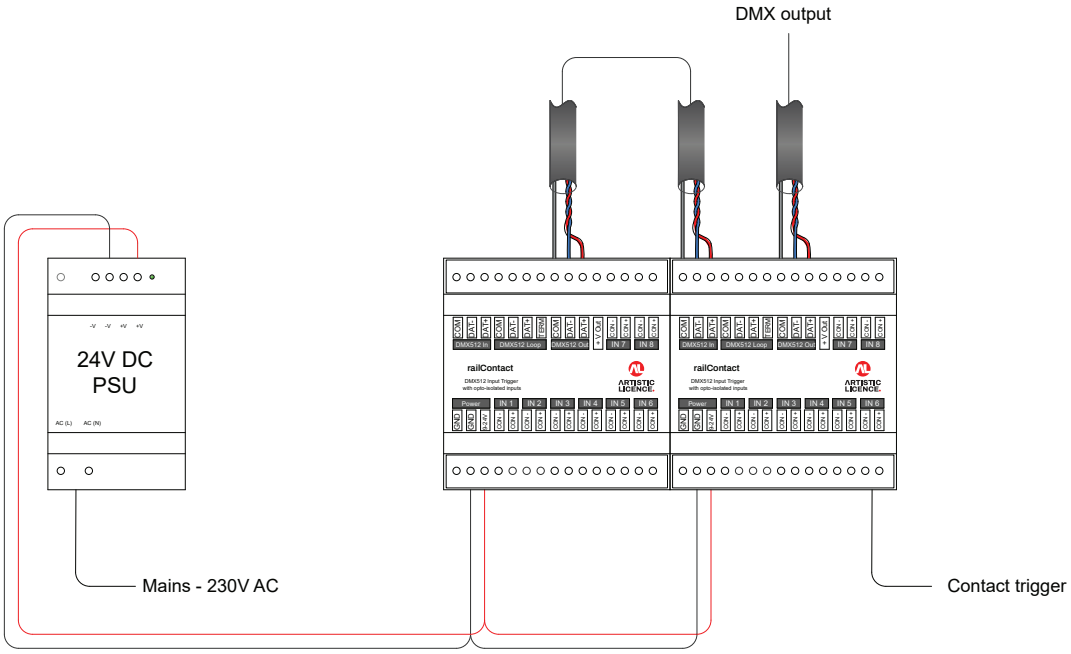
Inputs, Outputs & Indicators

- Power input/loop - quantity 2
  - 2-pin screw terminal
- Opto-Isolated inputs - quantity 8
  - 2-pin screw terminal
  - Isolation: 1kV
- DMX input/output
  - Input: 3-pin screw terminal
  - Output: 3-pin screw terminal
  - Loop: 3-pin screw terminal + Terminator
  - Protocols: DMX512, DMX512(1990), DMX512-A
  - Input mode: non-isolated
  - Input ESD protection: 12 kV
  - Input voltage protection: +/- 80 V
  - Output mode: ground referenced
  - Output ESD protection: 2 kV
- LED Indicators - Behind terminal guard
  - DMX in
  - DMX out
  - Power

Dimensions



Application diagram



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Due to our policy of continuing product improvement specifications are subject to change without notice. (E&OE).

All products are covered from date of purchase by a 2-year return to base warranty.

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