Data Sheets

sunDial quad dmx & xgc 1k

Category

- E1) Dimming - Mains

Description

- 4 channel trailing edge dimmer with DMX/RDM control (xgc model also supports Xicato GalaXi).

Mechanical

- Housing: DIN Rail Case
- Material: Polycarbonate plastic, UL94-V0 rated
- Overall dimensions: 90 mm (H) x 159 mm / 9M (W) x 73.5 mm (D)
- Weight: 0.3 kg
- Mounting: 35 mm DIN Rail or Surface Mount
- Maximum conductor gauge: 1.5 mm^2
- Screw terminal torque: 0.5 Nm
- Max. conductor temp. at product terminals: 90°C
- Country of manufacture: UK

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: BS EN 62368-1:2014 +A11:2017, CE, WEEE, RoHS
- Warranty: 2-year (return to base)

Power & Electrical

- Input voltage: 230 VAC +/-10%
- Input connector: Screw terminals
- Max. terminal rating: 10 A
- Duty cycle: 100% @ 25°C
- Input protection: Mandatory 6A Type B RCBO (user must supply)

Safety

- The product is intended to be used as part of an assembly and must be installed by a qualified electrician.
- The product must be protected by a 6A Type B RCBO.
- DO NOT connect an insulation tester to any terminal of the product. Doing so may cause damage.
- The installer is advised to use an additional earth busbar or DIN Rail Earth Terminal to connect all the load and supply earths.
- The product must be installed in an earthed metal enclosure with venting suitable for convection cooling.
- All stranded conductors must be finished with crimped ferrules.
- Outputs are protected electronically and by 7A slow blow fuses.
- Complies with BS EN 62368-1:2014+A11:2017

Control

- Input Protocols: DMX512, DMX512(1990), DMX512-A
- RDM V1.0 (E1.20 - 2010 ESTA Standard)
- Xicato GalaXi wireless control (xgc model only)

DMX512 Input

- Input mode: Non-isolated
- Input ESD protection: 12 kV
- Input voltage protection: +/- 80 V
- 3-pin Screw Terminal DMX Input (1 no.)
- 4-pin Screw Terminal DMX Loop / Term (1 no.)

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Outputs

- Type: 4 x mains dimming circuits
- Connectors: 4-pin screw terminals (4 no.)
- Min. recommended load: 12 W
- Max. load: 250 W per channel or 500 W per paired Channels 1+2 or 3+4
- Protection: Electronic and 7A slow blow fuse per output

Configuration

- DMX Workshop compatible
- Configurable settings include:
  - Start address
  - Dimming personality
  - Preset & data loss modes, test pattern

Sensors

- Heatsink temp. of channels 1+2
- Heatsink temp. of channels 3+4
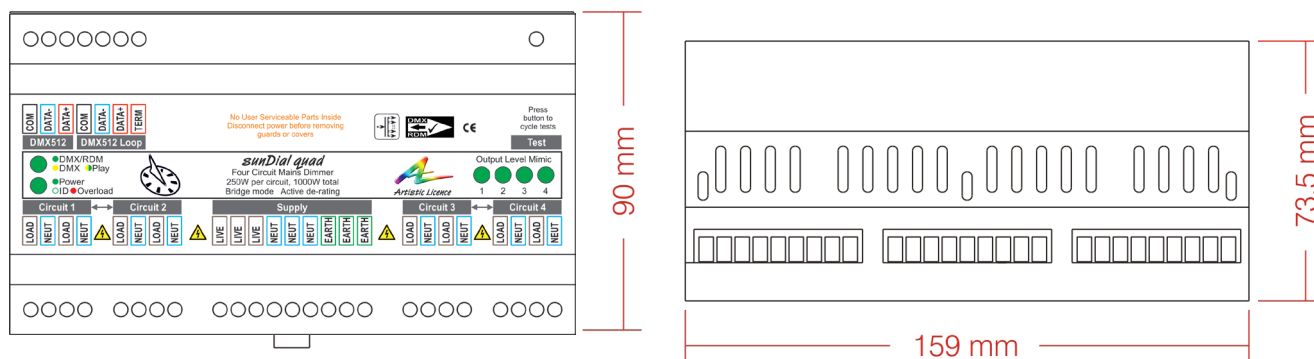- Product power consumption in 50W increments
- Mains frequency

LED Indication

- Power / DMX / RDM / Playback / RDM Identify / Over-Temp / Over-Current / Output short circuit detected / Level mimic

Ordering Info

- Product code (standard): sunDial quad dmx 1k
- Product code (Xicato): sunDial quad xgc 1k

Mounting diagram

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