



## MC80-DMX *(Part of the sunDial Range)*

### Category

sunDial - Control

### Description

A DMX / RDM Control Interface for the sunDial Range of modular dimmers.



### Mechanical

- Housing: DIN Rail Case
- Material: Metal (Aluminium)
- Overall Dimensions: 105mm (H) x 98mm (W) x 54mm (D)
- Mass: 0.35kg
- Mounting: 35mm DIN Rail
- Country of Manufacture: United Kingdom

### Electrical

- Input Voltage: 9VDC (provided by dimmer module)
- Input Connector: DB15 Side Connector
- Input Power (max): 2W
- Duty Cycle: 80% @ 25°C

### 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 FCC, WEEE, RoHS
- Warranty: 2 Year (Return to Base)

### User Interface / Indication

- Connections: (1) 5pin Screw Terminal DMX Input
- (1) 5pin Screw Terminal DMX Loop
- (2) 15pin Inter-Module Connection
- (1) 4pin External Trigger Input
- (1) 2pin LDR Input (Ambient Light Sensor)
- Configuration: Start Address (UI or RDM)
- Pre-Heat (UI or RDM)
- Data Loss Mode – Selected Scene
- Test Pattern (Activated with External Trigger)
- *Using DMX-Workshop Scenes can be recorded from live values*
- Indication: Power / DMX
- UI: Control Stick and 4 Segment Display

### Control

- Control: Up to 80 channels of Dimmer Control
- Input Protocols:
  - DMX512, DMX512(1990), DMX512-A
  - RDM V1.0 (E1.20 - 2006 ESTA Standard)
- Input Connector: Push Screw Terminal (2.5mm<sup>2</sup> max wire size)
- Output Protocols: dialUp for Inter Module Communications
- Output Connector: DB15 Side Connector
- Sensors: Collected from Modules (Sub-Device Sensors)
- semanticSensor (Logic sensor based on output vs input)

### Isolation / Protection

- Isolation: DMX Input - Ground Referenced
- Protection:
  - +15kV ESD DMX Driver Protection

### Package Contents

- MC80-DMX
- dialUp Terminating Connector
- User-Guide

### Ordering Info

Product Code: MC80-DMX

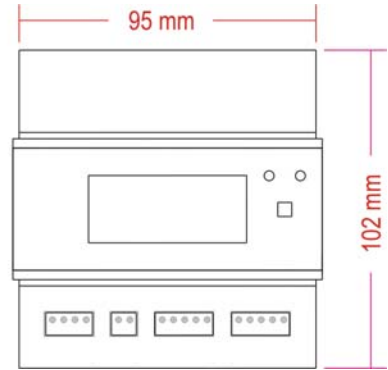
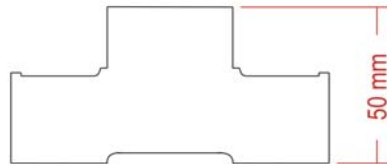
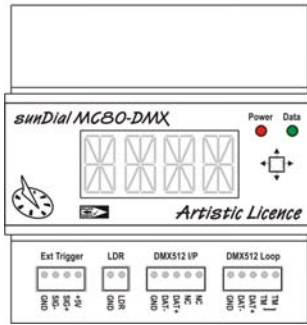
Accessories (not included):

- ML4000 – 4 Channel Mains Dimmer
- OIL448A – 4 Channel OLED / ILED Dimmer 350 / 500mA
- OIL448B – 4 Channel OLED / ILED Dimmer 500mA / 1050mA
- sunDial Link05 – A link cable for inter-module comms, 0.5M
- sunDial Term – A terminating connector for inter-module comms
- Jump-Start

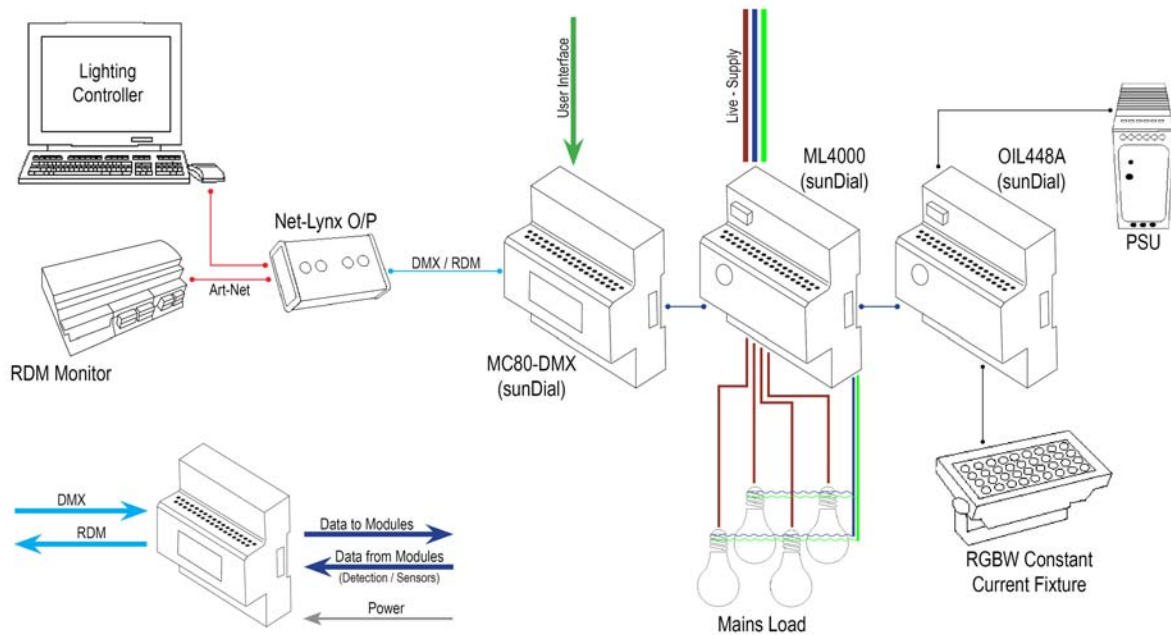




Mounting Drawing



Wiring Drawing



**Artistic Licence Engineering Ltd**

24 Forward Drive  
Christchurch Avenue  
Harrow, Middlesex  
London, HA3 8NT  
United Kingdom

Telephone +44 (0)20 8863 4515  
Fax +44 (0)20 8426 0551

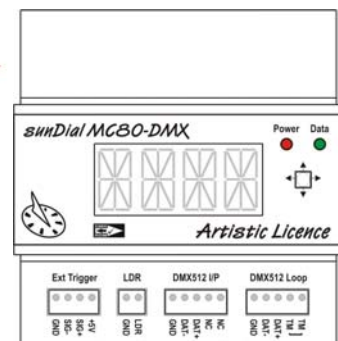
Email: [Sales@ArtisticLicence.com](mailto:Sales@ArtisticLicence.com)  
[www.ArtisticLicence.com](http://www.ArtisticLicence.com)

**Artistic Licence Integration Ltd**

24 Forward Drive  
Christchurch Avenue  
Harrow, Middlesex  
London, HA3 8NT  
United Kingdom

Telephone +44 (0)20 8863 4515  
Fax +44 (0)20 8426 0551

Email: [Wayne.Howell@ArtisticLicence.com](mailto:Wayne.Howell@ArtisticLicence.com)  
[www.ArtisticLicenceIntegration.com](http://www.ArtisticLicenceIntegration.com)



Due to our policy of continuing product improvement specifications are subject to change without notice

**Artistic Licence**

MC80-DMX (sunDial)

