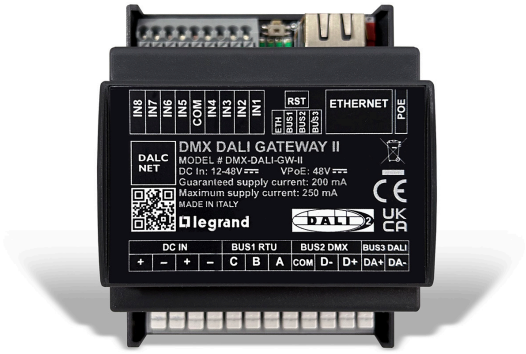
DMX DALI GATEWAY II

DMX-DALI-GW-II



DESCRIPTION

The DMX DALI Gateway II (DMX-DALI-GW-II) provides addresses 1-64 for DALI-2 and addresses 65-512 for DMX in one simple solution. Legrand provides the DMX-DALI single-part solution, giving the installer more flexibility to integrate either in a DMX platform or a DALI platform or both at the same time, if needed. This product is Ethernet based and is programmed via the Design Center software, providing simple programming of DMX and DALI systems.

- Improves integration of applications requiring multi-faceted control of color and lighting levels as well as individual fixture control capabilities
- Can be configured to act as a gateway back into the system through a stage lighting control console
- Simultaneously processes information to/from DMX and/or DALI devices
  - Information is transmitted via Ethernet, in controlled packets, to the controller which acts as the central control point
  - The controller conversely transmits controlled packets back to the DMX DALI Gateway II to be distributed to each connected bus
  - The controller manages the information, load status and levels; making the interface simple to use and is ideal for systems incorporating DMX or DALI control within Legrand's lighting system

FEATURES

- DALI support of 64 channels of control or management of up to 16 groups
- Support of DMX addresses 65-512
- Using the DMX DALI Gateway II in conjunction with an InFusion Controller II provides control of a wide selection of Static White, RGB, Tunable White, and Full-Color Tunable
- When connected to an InFusion controller and Equinox Touchscreens, the DMX DALI Gateway II is part of a system to provide Human Centric and Full Color Lighting Control lighting
- Contact inputs for scene recall and emergency backup control
- On-board web server for setup, testing, and verification of load control
- Programmed via Design Center software (4.11 or later)
- Powered by 12VDC-48VDC or PoE
- DALI-2 certified, Device Type 8 control capable
- Enables Remote Device Management (RDM) pass-through through 3rd party solutions
- Reboot and factory default button
- Ethernet port for connectivity to the system
- Terminal block for field terminations

PROJECT		LOCATION/ TYPE	

SPECIFICATIONS

PHYSICAL

Model:	DMX-DALI-GW-II
Dimensions (HWD):	2.83" x 3.62" x 2.44" (72mm x 92mm x 62mm)
Weight:	3.53 oz (100g)
Casing Material:	Plastic

ENVIRONMENTAL

Ambient Storage Temperature:	-40 to max. 140°F (Min -40°C to max 60°C)
Ambient Operating Temperature:	-40°F to max. 140°F (-40°C to max 60°C)
Ambient Operating Humidity:	95% Relative Humidity
Cooling:	Convection

ELECTRICAL

Connects to System Via:	Ethernet, RJ45 - 10/100Mbit
DALI Bus:	64 address, Integrated power supply: 200mA / 16VDC
DALI Groups 1-16:	Control from 1 to 16 DALI groups
DALI Bus Current:	200mA
DALI Max Bus Current:	250mA
DMX Bus:	DMX channels 65 to 512. Recommended to only use up to 32 DMX devices per output. Use DMX-SPLITTER to add additional outputs and devices
Ethernet:	10/100 Mbit baseT FULL DUPLEX AUTO NEGOTIATION
4-LED Communication Status Indicators:	1 LED for each: Ethernet, Bus 1, Bus 2, and Bus 3
Input Current:	550mA max
Maximum Power Draw:	40mA
ModBus RTU:	-485, BAUD RATE 9600 to 250000
Mounting:	35mm DIN Rail (EN 50 022: 1977)
Nominal Power @12V:	Typ: 160 mA (1.92W), Max 550 mA (6.60W)
Nominal Power @24V:	Typ: 80 mA (1.92W), Max: 260 mA (6.24W)
Nominal Power @48V:	Typ: 50mA (2.4W), Max: 150 mA (7.20W)
PoE @48V: Min:	40mA (1.9W), Typ: 100mA (4.65W), Max: 170mA (7.9W)
Supply Voltage	12/24/48 VDC
Voltage:	12VDC-48VDC (320mA-80mA)
IEC 61547:	Equipment for general lighting purposes - EMC immunity requirements
IEC 61000-3-2:	Electromagnetic compatibility (EMC) - Part 3-2: limits - limits for harmonic current emissions (equipment input current ≤ 16 A per phase)

REGULATORY APPROVALS

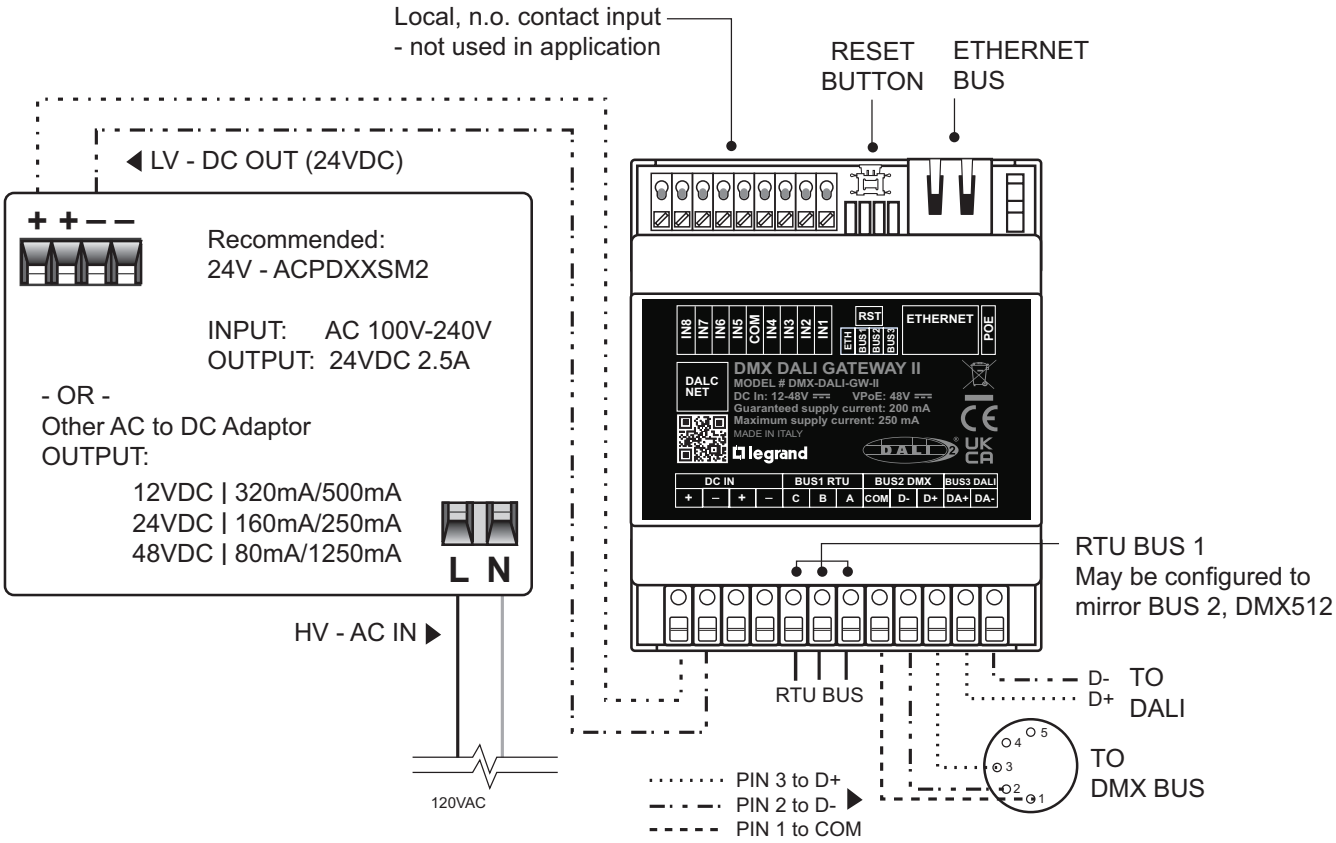
Certifications:	UKCA, CE

COMPATIBILITY

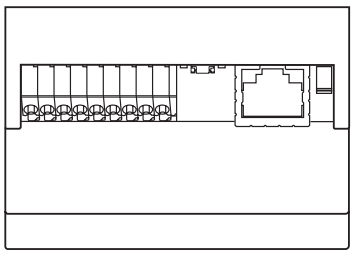
System:	InFusion

WIRING DIAGRAM - DMX-DALI-GW-II INSTALLATION

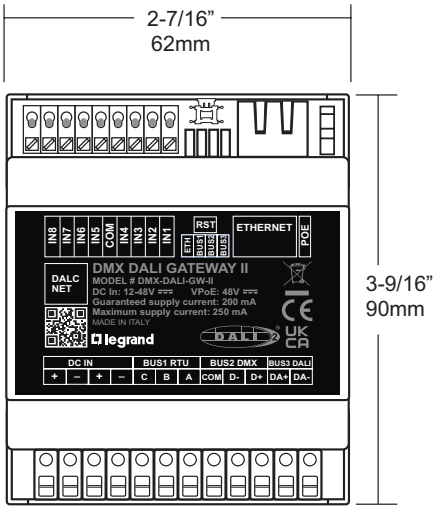
Electrical contractor to provide (1) 120V circuit input to the power supply that may or may not be provided by Legrand.



MULTI-VIEW LINE DRAWING



TOP VIEW



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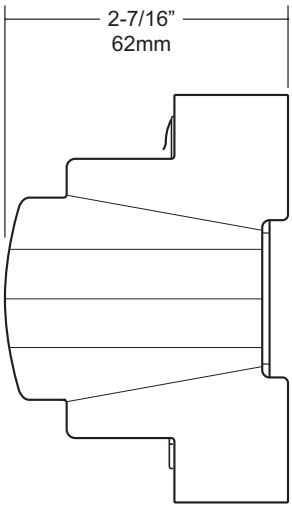
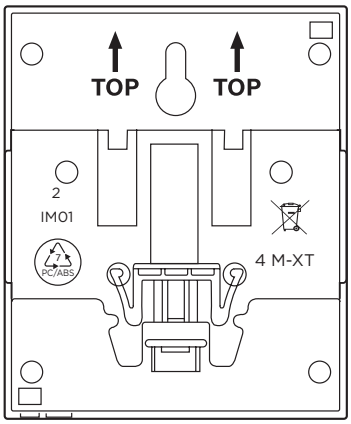
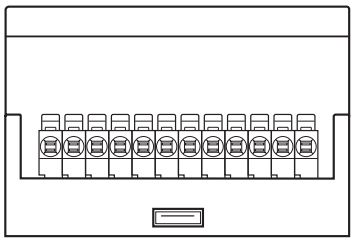


SIDE VIEW



BACK VIEW



BOTTOM VIEW

ORDERING INFORMATION

Catalog #	Description	Voltage
DMX-DALI-GW-II	DMX DALI Gateway II	12VDC-48VDC
DMX-SPLITTER	1x4 DMX Splitter/Repeater	12VDC-48VDC
ACPDXXSM2	DIN Power Supply	120-240VDC, 24VDC Output