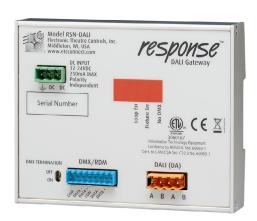# ETC

Response DALI Gateway

Specialty Gateway Series

Type(s)

Project

Date

Notes

GENERAL INFORMATION

The Response DALI Gateway accepts DMX control input to provide DALI control output for a full DALI loop of up to 64 devices. It is ideal for both retrofit and new control system installations that require DALI based control.

APPLICATIONS
- Houses of worship
- Hotels
- Convention centers
- Meeting rooms
- House lighting
- Museums
- Themed environments

FEATURES
- 64 independent DALI control outputs (one loop)
- DMX control input
- Algorithmic dimming conversion to ensure fade performance
- Configured using RDM
- Onboard display for status of DALI and DMX
- 12–24 VDC power input

ORDERING INFORMATION

DALI Gateway

MODEL	DESCRIPTION
RSN-DALI	Response DALI Gateway

Gateway Accessories

MODEL	DESCRIPTION
PS-DIN24	24 VDC DIN rail Gateway Power Supply

Mounting Accessories

MODEL	DESCRIPTION
DIN-RM	DIN rail Rack-Mount Kit
DIN14	Small DIN rail Enclosure – Vertical
DIN14-H	Small DIN rail Enclosure – Horizontal
DIN28	Large DIN rail Enclosure

Related Products

MODEL	DESCRIPTION
RSN-DMX4-DIN	Response MK2 4-port Gateway – DIN rail
RSN-LV	Response 0–10 V Gateway
RSN-IO-DIN	Response Analog IO Gateway

SPECIFICATIONS

FUNCTIONAL
- Supports USITT DMX512-A control input (ANSI E1.11)
- Supports DALI loop control for one DALI loop
- Algorithmic dimming conversion to ensure fade performance
- Supports failed device replacement without the need for software or configuration

MECHANICAL
- Onboard display for identification, status, and configuration
- Extruded aluminium enclosure
- DMX and DALI activity indicators
- Plugable terminals provided for all wiring connections
- 8 unit DIN enclosure
- Mounting complies with DIN43880 (35/7.5 rail)

ELECTRICAL
- 12–24 VDC power input using three-pin plugable connection
- One DALI loop output (requires external DALI power supply)

DMX INPUT PORT
- Optically-isolated input from the Gateway electronics
- Withstands fault voltages of up to 250 VAC
- Integrated DMX/RDM termination

CONFIGURATION
- Configured via RDM
- Configuration provided using ETC Concert software connected to an ETC DMX gateway, or third party configuration software.
- Configurable starting address with support for custom patch tables allowing non-sequential addressing

ENVIRONMENTAL
- Ambient operating temperature: 0°–40° C (32°–104° F)
- Operating humidity: 5%–95% non-condensing
- Storage temperature: -40°–70° C (-40°–158° F)

REGULATORY AND COMPLIANCE
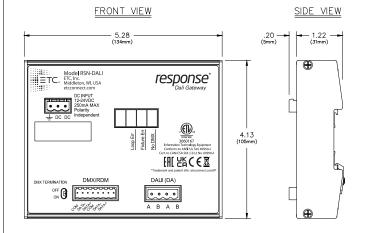- cETLus Listed
- CE Compliant
- RoHS Compliant
- WEEE

PHYSICAL

DALI Gateway Dimensions

MODEL	HEIGHT		WIDTH		DEPTH	
	in	mm	in	mm	in	mm
RSN-DALI	1.22	31	5.28	134	4.13	105

DALI Gateway Weights

MODEL	WEIGHT		SHIPPING WEIGHT	
	lb	kg	lb	kg
RSN-DALI	1.0	0.45	1.5	0.68

FRONT VIEW   SIDE VIEW

ADDITIONAL INFORMATION

DMX512

Often shortened to DMX (Digital Multiplex), this communication protocol is used mainly to control dimmers and multi-parameter fixtures. A universe of DMX is defined as 512 channels. DMX sends a nearly continuous stream of level information for each control channel. It is a form of RS-485 digital serial communication.

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