

GENERAL INFORMATION

The Mosaic DALI Module expands the advanced control capabilities of Mosaic to control Digital Addressable Lighting Interface (DALI) drivers and ballasts. As an accessory to the Mosaic Controllers the DALI module provides control for one DALI loop (64 devices) up to 200 DALI loops (12,800 devices) are supported in a single Mosaic system for the most flexibility possible. Optionally the DALI module may be used to accept external DALI commands to trigger the Mosaic system.

APPLICATIONS

- Retail stores
- Ballrooms
- Mixed-use spaces
- Integrated DALI lighting systems

FEATURES

- Control 64 DALI devices per module
- Supports DALI discovery and configuration commands
- Supports emergency DALI devices
- Trigger Mosaic timelines from an external DALI system
- Up to 200 modules supported with one or more Mosaic Controllers per system
- Power-over-Ethernet (PoE) powered
- Supports device and DALI programming via Mosaic Designer Software

REGULATORY AND COMPLIANCE

- cETLus Listed
 - Conforms to UL-60950-1
 - Certified to CAN/CSA-C22.2 No. 60950-1
- CE Compliant
- California Title 20/24 compliant

ORDERING INFORMATION

Remote DALI Module

MODEL	DESCRIPTION
MRIO-D	DALI Module

Note: Up to 200 MRIO-D can be connected to a single system when multiple Mosaic controllers are used

- 16 MRIO-D supported with MSC1 and MTPC controllers
- 32 MRIO-D supported with MSC2 controllers
- 64 MRIO-D supported with MSC4 controllers
- 100 MRIO-D supported with MSCX controllers

Related Show Controllers

MODEL	DESCRIPTION
MTPC	Tessera Panel Controller
MSC_1	Mosaic Show Controller
MSCX	High-capacity Show Controller
MALC	Mosaic Atlas
MALCP	Mosaic Atlas Pro

¹ Available with one(1), two(2) or four(4) DMX universe output(s)

Related Products

MODEL	DESCRIPTION
M108-__	Button Station
M-TS	Mosaic Touchscreen
MRIO-A	Audio/Timecode Remote Device
MRIO-I/O	Input/Output Remote Device w/ Serial
MSC-NET	Five-port Ethernet Switch w/ PoE



SPECIFICATIONS

FUNCTIONAL

- DALI Master
 - Control for up to 64 DALI Devices (1 loop)
 - DALI discovery and configuration
 - Emergency lighting schedule, automatic function and duration tests; automatic querying for battery level and lamp hours; test result and error reporting web interface
- DALI Slave
 - Supports command input from external DALI systems or wall stations to trigger Mosaic timelines
- Bus power detection and reporting of external DALI power supply
- Up to 200 DALI modules supported per Mosaic system
- Five year warranty

MECHANICAL

- Four-unit wide DIN enclosure complies with DIN43880 and EN60715 (35/7.5 rail)
- Rugged aluminum enclosure
- Rotary switch for selecting network address
- Wiring connections use plug-able rising clamp terminals

ELECTRICAL

- RJ45 connection supports 10/100Base-TX Ethernet
 - Link and data LEDs
 - Static and DHCP addressing support
- PoE powered (IEEE 802.3af, Class 1) 1.5 W typical draw
- DALI wiring connections made using plug-able 0.2 in (5.08 mm) rising clamp terminals
- DALI bus isolated from Ethernet connection

THERMAL

- Ambient temperature: 0°–50° C (32°–122° F)
- 10–50% relative humidity, non-condensing

PHYSICAL

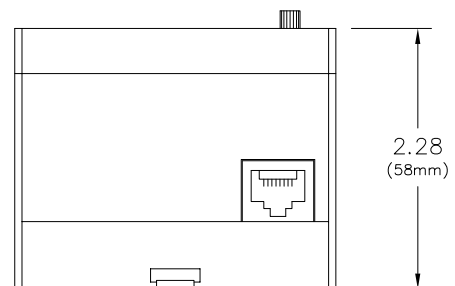
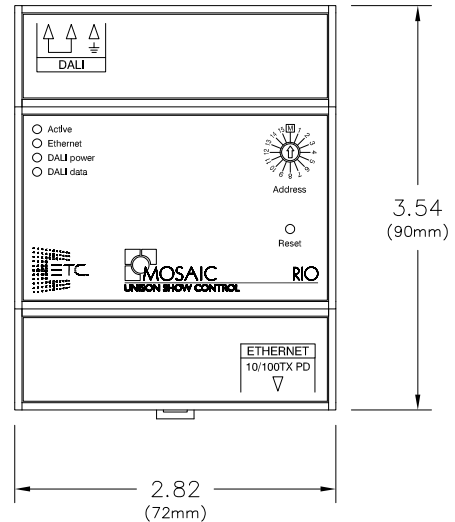
Remote Module Dimensions*

MODEL	HEIGHT		WIDTH		DEPTH	
	in	mm	in	mm	in	mm
MRIO-D	3.54	90	2.82	72	2.28	58

Remote Module Weight*

MODEL	WEIGHT		SHIPPING WEIGHT	
	lb	kg	lb	kg
MRIO-D	1.0	0.23	1.1	0.50

*Weights and dimensions typical



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