ETC

Unison Echo DMX Scene Controller

Echo Interface Series

Type(s)

Project

Date

Notes

GENERAL INFORMATION

A powerful addition to the Echo family, the DMX Scene Controller uses snapshot technology to capture lighting looks and save them to connected Inspire control stations, simplifying customization and control of individualized zones and fixtures. Combined with EchoAccess or the Inspire Four-Button with Fader Station, the DMX Scene Controller can generate DMX and allows for intensity, hue, saturation and color temperature control.

APPLICATIONS
- Small theaters
- Hospitality
- Healthcare facilities
- Conference and meeting rooms
- Lobby spaces
- Retail
- Houses of worship

FEATURES
- DMX input for snapshot capture of lighting scenes
- Supports 32 presets of 512 DMX addresses
- Support for sequence playback of presets
- Support for Echo control of 16 patched DMX Zones
- Works with EchoAccess and Inspire Four-Button with Fader Station for live control of intensity, hue and saturation or color temperature of Echo zones
- Basic and custom-use modes
- Configurable Power On Behavior, DMX Loss Action and DMX Active Action
- Demand Response integration
- EchoConnect: two-wire topology-free system gives you the freedom to easily place stations wherever they are needed

REGULATORY AND COMPLIANCE
- cULusL Listed
- CE Compliant

ORDERING INFORMATION

Product

MODEL	DESCRIPTION
EDMXC	Echo DMX Scene Controller

Mounting Accessories:

MODEL	DESCRIPTION
ECHO-DIN	Echo Low-Voltage DIN-Rail Cover Kit

Echo Power Requirements

EchoConnect:	One unit of control power
Auxiliary Power:	150 mA

Echo Presets

Supports 32 Echo Presets

SPECIFICATIONS

FUNCTIONAL
- Direct control or Recall prerecorded scenes for playback using DMX
- DMX input for snapshot recording up to 32 presets
- DMX output for up to 512 addresses
- Sequence playback of presets
- Use any Unison Echo station for preset or sequence playback
- Supports DMX pass-through for real-time output of incoming level when recording snapshots
- Meets USITT DMX-512A specifications
- Supports live control and recording for the following fixture profiles:
  - Intensity
  - RGBRGBA
  - RGBW
  - RGB_S (Selador Desire D22, D40, Source Four LED Series 1, Source Four LED Series 2)
  - RGB_SF (Desire D60)
  - IRGBS (ColorSource PAR, Spot)
  - CwWw, WwCW
  - CwMwWw, WwMwCW
  - ICwWw
  - ICwMwWw
- EchoAccess configurable Power On Behavior, DMX Loss Action and DMX Active Action
- Demand Response integration options

MECHANICAL
- One integrated DMX-input and one integrated DMX-output port
- Din-rail mounting complies with DIN43880 (35/7.5 rail)
- Constructed of injection-molded black ABS plastic
- Toggle switches for DMX-Termination and Config Mode
- DMX-In, DMX-Out and power indicators
  - Blue power indicator
  - Bi-color DMX activity indicator

ELECTRICAL
- Connects via two-wire EchoConnect control network through low-voltage Class 2 wiring + 24 VDC auxiliary power
  - Topology-free wiring over Belden 8471 or equivalent and one #14 ESD drain wire
  - Two #16 AWG wires for 24 VDC auxiliary power
  - Max draw 150 mA at 24 VDC
- Supports optional use of Belden 1583A or equivalent Ethernet control wire when used with Cat5 termination accessories
- Wiring may be bus, loop, homerun or any combination of these
- Supports up to 500 m (1,640 ft) of control wiring
  - Up to 300 m (1,000 ft) using Cat5
- MicroSD card slot for firmware maintenance

DMX PORTS
- Eight-position removable pluggable connectors for in and out ports
  - Connectors designed for use with Belden 9729 (or equivalent)
  - Optional headers available for use with Belden 1583A (or equivalent)
- Input is fully optically isolated from controller electronics
- Withstands fault voltages up to 250 VAC
- Integrated DMX termination

THERMAL
- Ambient room temperature: 0° to 50°C (32° to 122°F)
- Ambient humidity: 5–95% non-condensing

ECHOACCESS CONFIGURATION OPTIONS
- DMX Output Refresh Rate
- Preset Timings
- Power On Behavior
  - Available actions include Preset, Sequence, Last Look, None.
- DMX Loss Action
  - Available actions include Preset, Sequence, None
- DMX Active Action
  - Available actions include Preset, Off, Sequence, None.

ECHO FAMILY OF PRODUCTS

EchoConnect Power Supplies

MODEL	DESCRIPTION
E-SPS	6 U Room Station Power Supply, Knockout Mount
E-SPS-DIN	16 U DIN rail Station Power Supply with 24 V Aux
E-SPM-A	16 U DRd Station Power Module with 24 V Aux
E-APS2	24 V Aux Power Supply, Knockout Mount

EchoTouch

MODEL	DESCRIPTION
ETS	EchoTouch Controller Mk2

Echo Stations

MODEL	DESCRIPTION
E1001	Inspire One Button Station
E1002	Inspire Two Button Station
E1004	Inspire Four Button Station
E1006	Inspire Six Button Station
E1008	Inspire Eight Button Station
E1104	Inspire Four Button with Fader Station
EPS05	Echo Preset Station - 5 Button
EPS10	Echo Preset Station - 10 Button
EPSKS	Echo Keyswitch Station
E-ATC	Echo TimeClock

Echo Responsive Controls

MODEL	DESCRIPTION
ELS	Light Sensor
EOCC	Ceiling-Mount PIR Occupancy Sensor
EVAC	Ceiling-Mount PIR Vacancy Sensor
E-DOC-C	Ceiling-Mount Dual Tech Occupancy Sensor
E-DVAC-C	Ceiling-Mount Dual Tech Vacancy Sensor
E-DOC-W	Wall-Mount Dual Tech Occupancy Sensor
E-DVAC-W	Wall-Mount Dual Tech Vacancy Sensor
E-DOC-SM1	Switch-Mount Dual Tech Sensor - One Button
E-DOC-SM2	Switch-Mount Dual Tech Sensor - Two Button

Echo Interfaces

MODEL	DESCRIPTION
EACC	EchoAccess Interface
EEB	Echo Expansion Bridge
EDMXC	Echo DMX Scene Controller
EEI	Echo-Echoflex Interface
ECII	Echo Contact Input Interface
ECOI	Echo Contact Output Interface
EDRI	Echo Demand Response Interface
EBI	Echo BACnet Interface
EII	Echo Integration Interface

Zone Controllers

MODEL	DESCRIPTION
ERC-G2	One Zone Relay Controller
EDRC-G2	Two Zone Relay Controller
ELD-G2	One Zone 0–10 V Controller
EDLD-G2	Two Zone 0–10 V Controller
ESSC-G2	One Zone SmartSpace Controller
EDSSC-G2	Two Zone SmartSpace Controller
ELVD-G2	600-Watt Phase Adaptive Dimmer (120 V)
ELVD-277-G2	600-Watt Phase Adaptive Dimmer (277 V)
ELVD-G2-MLV	600-Watt Forward Phase Dimmer (120 V)
ELVD-277-G2-MLV	600-Watt Forward Phase Dimmer (277 V)

Room Controllers

MODEL	DESCRIPTION
ERMC4-G2	Four Zone Room Controller
ERMCT4-G2	Four Zone Room Controller with TimeClock
ERMC8-G2	Eight Zone Room Controller
ERMCT8-G2	Eight Zone Room Controller with TimeClock

Panel Products

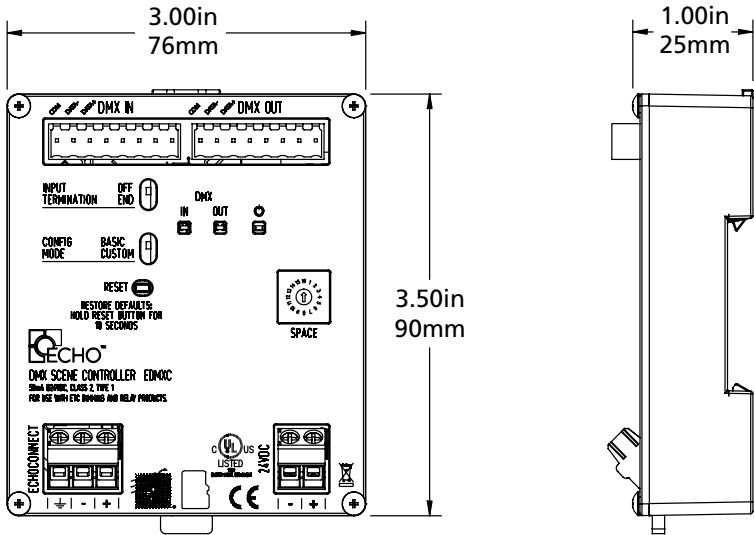| MODEL	DESCRIPTION
ERP	Echo Relay Panel Mains Feed
ERPA	Echo Relay Panel Mains Feed 277 V
ERP-FT	Echo Relay Panel Feedthrough
IQ	Sensor IQ Intelligent Breaker System
SR3	Sensor3 Power Control System
DRd	Unison DRd with Echo Control

PHYSICAL

Product Dimensions

MODEL	HEIGHT		WIDTH		DEPTH		WEIGHT	
	in	mm	in	mm	in	mm	lb	kg
EDMXC	3.5	90	3.0	76	1.0	25	.22	.10