Echoflex

Elaho Integration Interface

Type(s)

Project

Date

Notes

GENERAL INFORMATION

The Elaho Integration Interface (EII) adds advanced networking protocols to your Elaho control system, allowing it to seamlessly integrate with third-party control systems for simultaneous lighting control with audio and video presets.

The Integration Interface does this by providing a simple bidirectional communication of User Datagram Protocol (UDP) string commands for control and status of preset and zone levels in Elaho spaces. Other systems can then send commands, query the system, or subscribe to system updates, all using UDP.

APPLICATIONS
- Auditoriums
- Theaters
- Hospitality
- Conference and meeting rooms
- Houses of worship
- Education
- Sports venues

FEATURES
- Reports real-time Elaho system status to the third-party system
- Accepts predefined UDP commands
- Compatible with all Echo products
- Definable subscription addresseses for security
- PoE or 24 VDC

REGULATORY AND COMPLIANCE
- cULus Listed
- CE Compliant
- RoHS Compliance
- WEEE

ORDERING INFORMATION

Product

MODEL	DESCRIPTION
EII	Integration Interface

Mounting Accessories

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

Power Requirements

Bus Power:	One unit of control power
Auxiliary Power:	100 mA*

*Not required if using PoE

Echoflex   Elaho Integration Interface

SPECIFICATIONS

FUNCTIONAL
- Integrates with any system that supports User Datagram Protocol (UDP) strings
- Reports the status of the following to an external system:
  - Zones
  - Presets
  - Sequences
- Allows an external system to control the following:
  - Zones
  - Presets
  - Sequences

MECHANICAL
- Intuitive four-button interface and onboard display for identification, status and configuration
- Five-unit-wide DIN Enclosure complies with DIN43880 (35/7.5 rail)
- Constructed of injection-molded, black ABS plastic

ELECTRICAL
- Supports PoE or 24 VDC
- Compliant with IEEE 802.3i for 10BASE-T, 802.3u for 100BASE-TX and 802.3af for Power over Ethernet
- Connects to two-wire control networks through low-voltage Class 2 wiring
  - Topology-free wiring over Belden 8471 or equivalent and one #14 ESD drain wire
  - Two #16 AWG wires for 24 VDC auxiliary power when required
  - 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

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

ELAHO FAMILY PRODUCTS

Bus 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-APS	24 V Aux Power Supply, Knockout Mount

ElahoTouch

MODEL	DESCRIPTION
ETS	ElahoTouch Controller Mk2

Elaho 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	Preset Station - 5 Button
EPS10	Preset Station - 10 Button
EPSKS	Keyswitch Station
E-ATC	TimeClock

Elaho 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

Elaho Interfaces

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

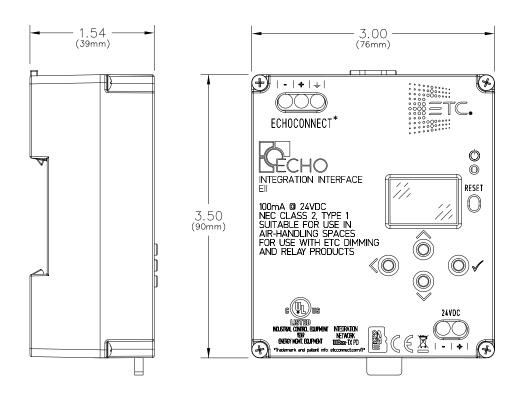| MODEL	DESCRIPTION
ERP	Elaho Relay Panel Mains Feed
ERPA	Elaho Relay Panel Mains Feed 277 V
ERP-FT	Elaho Relay Panel Feedthrough

PHYSICAL

Product Dimensions

MODEL	HEIGHT		WIDTH		DEPTH	
	in	mm	in	mm	in	mm
EII	3.5	90	3.0	76	1.54	39

Product Dimensions

MODEL	WEIGHT		SHIPPING WEIGHT	
	lb	kg	lb	kg
EII	0.35	0.16	0.90	0.40

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Product information and specifications subject to change.

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