



Type(s)  
Project  
Date  
Notes

**REGULATORY AND COMPLIANCE**

The Unison Elaho-Echoflex Interface allows for wireless communication between Elaho and Echoflex wireless control systems. When it's not practical to run wires between every device in your building's control system, the Elaho-Echoflex Interface is the solution. Using the built-in 902 MHz radio the Elaho-Echoflex Interface can transmit or receive wireless signals to communicate with any Echoflex control device within 24 m (80 ft). And since the Elaho-Echoflex Interface is a DIN-rail-mount device, you can install it nearly anywhere.

**APPLICATIONS**

- Retrofits
- Hospitality
- Healthcare facilities
- Conference and meeting rooms
- Retail
- Houses of worship

**FEATURES**

- Four Echoflex product inputs to trigger Elaho Presets
- Four Elaho zone outputs to control Echoflex power products
- Onboard configuration and testing tools
- Input and output status indicators
- Two-wire topology-free system gives you the freedom to easily place devices wherever they are needed
- Optional external antenna kit available

**GENERAL**

- cULus Listed
- CE Compliant

**ORDERING INFORMATION**

**Interface**

MODEL	DESCRIPTION
EEl	Elaho-Echoflex Interface

**Accessories**

MODEL	DESCRIPTION
EEl-EA	External Antenna Kit
-DIN	Low-Voltage DIN-Rail Cover Kit

**Power Requirements**

Station Bus:	1 Unit of Output Power
Auxiliary Power:	50 mA

**Presets**

Supports 16 Presets
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## SPECIFICATIONS

### FUNCTIONAL

- Receives wireless trigger from Echoflex system and translates it into an Elaho preset trigger
- Receives zone level from Elaho system and translates it into a wireless Echoflex command
- Compatible with Elaho stations, sensors, interfaces and power controllers
- Compatible with Echoflex station, sensors and a power controllers

### MECHANICAL

- Buttons and LED indicators for wireless inputs and wired output configuration and status
- Five-unit-wide DIN Enclosure complies with DIN43880 (35/7.5 rail)
- Constructed of injection-molded black ABS plastic
- Connection for external antenna (provided separately)

### ELECTRICAL

- Connects via two-wire 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
- Wiring may be bus, loop, homerun or any combination of these
- Supports optional use of Belden 1583A or equivalent Ethernet control wire when used with Cat5 termination accessories
- 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
- 902 MHz wireless radio
- 80 ft (24 m) open-air transmission range

### 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
EEl	Elaho-Echoflex Interface
ECII	Contact Input Interface
ECOI	Contact Output Interface
EDRI	Demand Response Interface
EBl	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 Information

MODEL	HEIGHT		WIDTH		DEPTH		WEIGHT	
	in	mm	in	mm	in	mm	lb	kg
EEl	3.5	90	3.0	76	1.0	25	0.22	0.10

