

Type(s) Project Date Notes

REGLATORY 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	
EEI	Elaho-Echoflex Interface	

Accessories

MODEL	DESCRIPTION			
EEI-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



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, senors, 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			
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

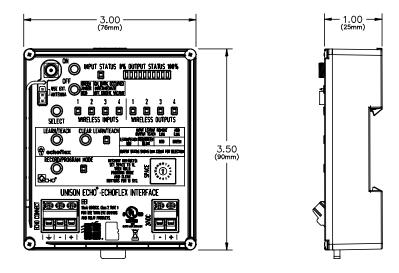
Panel Products

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

PHYSICAL

Product Information

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





Echoflex Solutions • Middleton, WI, USA • +1 608-831-4116 @2023 Echoflex Solutions, Inc. All rights reserved. *Trademark and patent info: echoflexsolutions.com/ip Third-party license agreement info: etcconnect.com/licenses Product information and specifications subject to change. echoflexsolutions.com • Rev B 2023-08