ETC

Unison Echo-Echoflex Interface

Echo Interface Series

Type(s)

Project

Date

Notes

GENERAL INFORMATION

The Unison Echo-Echoflex Interface allows for wireless communication between Unison Echo and Echoflex control systems. When it's not practical to run wires between every device in your building's control system, the Echo-Echoflex Interface is the solution. Using the built-in 902 MHz radio the Echo-Echoflex Interface can transmit or receive wireless signals to communicate with any Echoflex control device within 24 m (80 ft). And since the Echo-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 Echo Presets
- Four Echo zone outputs to control Echoflex power products
- Onboard configuration and testing tools
- Input and output status indicators
- EchoConnect two-wire topology-free system gives you the freedom to easily place devices wherever they are needed
- Optional external antenna kit available

REGULATORY AND COMPLIANCE
- cULus Listed
- CE Compliant

ORDERING INFORMATION

Product

MODEL	DESCRIPTION
EEI	Echo-Echoflex Interface

Accessories

MODEL	DESCRIPTION
EEI-EA	External Antenna Kit
ECHO-DIN	Echo Low-Voltage DIN-Rail Cover Kit

Echo Power Requirements

EchoConnect:	1 Unit of Output Power
Auxiliary Power:	50 mA

Echo Presets

Supports 16 Echo Presets

ETC

SPECIFICATIONS

FUNCTIONAL
- Receives wireless trigger from Echoflex system and translates it into an Echo preset trigger
- Receives zone level from Echo system and translates it into a wireless Echoflex command
- Compatible with Echo 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 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
- 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
- 24 m (80 ft) open-air transmission range
- UL2043 Listed for use in plenum

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

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

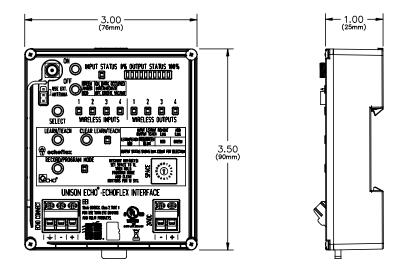| MODEL	DESCRIPTION
ERMC4-G2	Four Zone Room Controller
ERMCT4-G2	Four Zone Room Controller with TimeClock
ERMC8-G2	Eight Zone Room Controller
ERMCT8-G2	Eight Zone Room Controller with TimeClock

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 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

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