



GENERAL INFORMATION

Architectural installations utilize the BACnet building management protocol, for integration of HVAC, shades, A/V systems – and lighting. The Echo BACnet interface provides a simple-to-implement interface for Echo control systems to integrate with a BACnet IP capable system. With the BACnet Interface, Echo systems can receive commands, share occupancy and system status, and more.

The Echo BACnet interface provides status for all Echo control points. Control commands can also be sent to the Echo system for building wide overrides and control, including presets, or placing a space into a timed event hold.

APPLICATIONS

- Sports venues
- Hospitality
- Healthcare facilities
- Conference and meeting rooms
- Lobby spaces
- Retail
- Education

FEATURES

- Reports real-time Echo system status to the BACnet system
- Reporting of all Echo control points are supported
- Integrates Echo lighting system into building-wide monitoring and management systems
- Accepts standard BACnet control commands
- PoE or 24VDC

GENERAL

- UL and cUL LISTED
- CE Marked

ORDERING INFORMATION

Product

MODEL	DESCRIPTION
EBI	Echo BACnet Interface

Mounting Accessories

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

Echo Power Requirements

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

*Not required if using PoE



SPECIFICATIONS**FUNCTIONAL**

- Integrates with any BACnet IP system
- Uses default BACnet commands
- Reports the status of the following to a BACnet system
 - Zones
 - Presets
 - Space Occupancy
 - Space Lockout
 - Timed Event Hold
 - Demand Response
- Allows a BACnet system to control the following
 - Zones
 - Presets
 - Space Lockout
 - Timed Event Hold
 - Demand Response

MECHANICAL

- Intuitive four-button interface and onboard display for identification, status and configuration
- Din-rail mounting complies with DIN43880 (35/7.5 rail)
- Constructed of injection-molded, black ABS plastic

ELECTRICAL

- Supports PoE or 24VDC
- Compliant with IEEE 802.3i for 10BASE-T, 802.3u for 100BASE-TX and 802.3af for Power over Ethernet
- Connects to two-wire EchoConnect 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 24VDC 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 meters (1,640 feet) of control wiring
 - Up to 300 meters (1000 ft) using Cat5
- MicroSD card slot for firmware maintenance
- UL and cUL LISTED, CE Marked

REGULATORY AND COMPLIANCE

- UL and cUL Listed
- CE Marked
- RoHS compliance
- WEEE

THERMAL

- Ambient room temperature: 0-50°C / 32-122°F
- Ambient humidity: 5-95% non-condensing

ECHO FAMILY OF PRODUCTS

EchoConnect Power Supplies

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

EchoTouch

MODEL	DESCRIPTION
ETS	EchoTouch Controller

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
EPSLO	Echo Lockout 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
EEL	Echo-Echoflex Interface
ECII	Echo Contact Input Interface
ECOI	Echo Contact Output Interface
EDRI	Echo Demand Response Interface
EBI	Echo BACnet Interface

Zone Controllers

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

Room Controllers

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

Panel Products

MODEL	DESCRIPTION
ERP	Echo Relay Panel Mains Feed
ERP-FT	Echo Relay Panel Feed Through
SensorIQ	Sensor IQ Intelligent Breaker System
SR3	Sensor3 Power Control System
DRd	Unison DRd with Echo Control

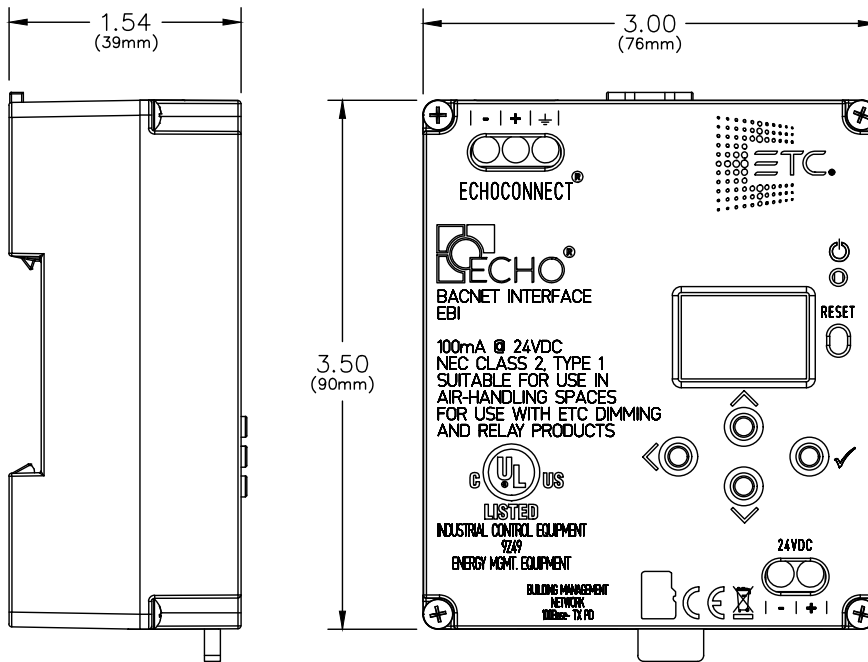
PHYSICAL

Product Dimensions

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

Product Dimensions

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



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