

PoE 802.3af 24VDC

Interface Series



GENERAL INFORMATION

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

The BACnet interface provides status for all Elaho control points. Control commands can also be sent to the Elaho 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 system status to the BACnet system
- Reporting of all Elaho control points are supported
- Integrates Elaho 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	BACnet Interface

Mounting Accessories

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

Power Requirements

Bus Power:	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 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

ELAHO FAMILY PRODUCTS

Bus 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

ElahoTouch

MODEL	DESCRIPTION
ETS	ElahoTouch Controller

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
EPSLO	Lockout 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
EBI	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	Elaho Relay Panel Mains Feed
ERP-FT	Elaho Relay Panel Feed Through

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

