ELAHO

Lighting Control System

Product Guide

echoflex
an ETC Company

Elaho Control System

You want intelligent, independently controlled power within your lighting system that is easy to use and doesn't break the bank. Sometimes all you need is to turn lights on and off; other times you may need an occupancy sensor or daylight sensor to meet local energy codes and increase your energy savings. That's where the Elaho control system comes in.

The Elaho control system requires minimum setup and has a low overall cost. Designed specifically to meet growing energy codes, such as ASHRAE 90.1, CA Title 20/24 and IECC, Elaho has an immediate return on investment. This intelligent, distributed power-control system also has a flexible infrastructure with topology-free wiring, so you get the most from your system with the least amount of hassle.

Inspire Control Stations

The control you need — right at your fingertips.

These bus-powered devices are designed to initiate control for your entire system. They communicate efficiently with power controllers, relays and panels to provide support for almost any load type. Choose your level of control from a variety of button stations that are created with your solutions in mind.

Inspire One-, Two-, Four-, Six-, and Eight-Button Stations
Model numbers E1001, E1002, E1004, E1006, E1008
- The option between one, two, four, six, or eight buttons
- Easy-to-change, user-specific button legends
- Zone or preset activation with raise/lower control
- Cream, Gray, Black, or White finish

Inspire Four-Button Fader Station
Model number E1104
- Fader station that includes four selection buttons for preset and zone control
- Real-time hue, saturation and intensity control of LEDs (when used with the DMX Scene Controller)
- Zone or preset activation with raise/lower control
- Cream, Gray, Black, or White finish

ElahoTouch
Model number E-TS
- Touchscreen control interface
- Color Control, color tuning, zone, preset, and sequence control
- Supports Elaho Communication, DMX/RDM and sACN protocols
- Discovery, addressing, and mode selection of RDM fixtures
- Available with Cream, Gray, Black, or White Bezel

Additional Stations

Elaho's control stations offer preset recall as well as system safety and security, ensuring that light-looks are stored and recalled only when they need to be. Using Elaho's two-wire, topology-free technology, your Elaho system is easier to set up than ever before.

Preset Stations
Model number EPS05-_F and EPS10-_F
- Supports up to 16 stations
- Available in five- and ten-button options
- Optional lockout station available
- Utilizes Elaho control network
- Available in Cream, White, or Black

Lockout Station
Model number EPLSO
Avoid accidental or unauthorized control of your system with this convenient and simple lockout control station.
- Lock out other control stations in a space
- Secure keyswitch activation

TimeClock
Model number E-ATC
- Intuitive six-button interface
- Large backlit display
- Time-of-day and astronomical events
- Holiday and special-event override
- Control of up to 16 spaces

Responsive Controls

Elaho Responsive Controls are the pinnacle of energy-saving technology. By automatically assessing the light or occupancy status of a room, artificial lighting can then be reduced, saving you money and power while maintaining the right level of brightness.

Dual Tech Occupancy/Vacancy Sensor
Model number E-DOC and E-DVAC
- Passive Infrared and Acoustic Detection technologies
- Occupancy and Vacancy detection options
- Ceiling-mount, small-room, large-room and high-ceiling options available. Wall-mount wide and narrow coverage available
- Thirty-second grace timer
- Walk test function for PIR and acoustic coverage
- Supports small motion detection up to 45 feet
- Up to 2,000-square-foot coverage
- Available in Black and White finishes
- Meets ASHRE 90.1 and CA Title 20/24

Light Sensor
Model number ELS
The Elaho Light Sensor automatically adjusts light levels to your target lux level and even supports two-sensor averaging, making it ideal for indoor, outdoor and atrium use
- Single-head option for indoor, outdoor and atrium settings (0-6500 lux)
- Remote head-mounting option
- Built-in target lux configuration
- Two-sensor averaging for ideal light levels in a light-changing environment
- Available in White finish

Elaho Interfaces

Elaho interfaces expand the control capabilities of your Elaho Control system. These devices allow Elaho systems to grow and interact with other ETC and Echoflex products.

ElahoAccess

Model number EACC

- Enables configuration of connected Elaho devices
- Activate, deactivate and record presets
- Set light levels or combine spaces remotely
- Wall-mountable Bluetooth® interface with sleek design
- Utilizes Elaho control network

Elaho Echoflex Interface

Model number EEI

- Provides wireless communication between Elaho and other Echoflex control systems
- Connects to all Echoflex wireless devices within a 100-foot radius
- Standard DIN-rail mounting with other mounting accessories available
- Built-in 902 MHz EnOcean wireless radio
- Utilizes Elaho control network

Elaho Expansion Bridge

Model number EEB

- Combines up to four Elaho systems with up to 64 control and output devices
- Integrates with ETC's Paradigm® systems, which can control all connected Elaho systems
- Compatible with all Elaho and Paradigm products
- Connects to Wi-FI via network for use with ElahoAccess mobile app

DMX Scene Controller

Model number EDMXC

- Uses DMX-snapshot technology to capture lighting presets
- Easy-to-use remote programming
- Controls hue, saturation and intensity
- Supports up to 32 presets
- Built-in Color Picker available with ElahoAccess mobile app

Demand Response Interface

Model number EDRI

- Accepts Demand Response closure to reduce total load during times of peak demand
- Shares Demand Response status across the Elaho control network
- Utilizes Elaho control network plus 24VDC power

BACnet Interface

Model number EBI

- Allows Elaho Control System integration with building management systems
- Supports BACnet IP for simple Ethernet based integration
- Utilizes Elaho control network plus 24VDC power

Zone and Room Controllers

Elaho Room Controllers respond to Elaho Control Stations and provide relay or dimming functions for their local zones. Panels allow for the separation of circuits into multiple spaces for independent control within each room, while supporting Ethernet uplinks to larger systems for building control and reporting.

Relay Controller

Model numbers ERC and EDRC
- One or two independently controlled outputs
- 120-277V, 20A power input
- Half-inch knockout mount
- Fully rated 20A relay per output

0-10V Controller

Model numbers ELD and EDLD
- One or two independently controlled outputs
- 0-10V output for driver and ballast control
- 120-277V, 20A power input
- Half-inch knockout mount
- Fully rated 20A relay per output

SmartSpace Controller

Model numbers ESSC and EDSSC
- One or two independently controlled outputs
- 0-10V outputs for driver and ballast control
- 120-277V, 20A power input
- 24VDC output
- Contact input from occupancy or photo sensor
- Half-inch knockout mount
- Fully rated 20A relay per output

Phase-Adaptive Dimmer

Model number ELVD
- Reverse- or forward-phase operation
- Dimming mode auto-detection with optional manual selection
- 120V and 277V versions
- Supports loads up to 600W
- One-watt minimum load
- Half-inch knockout mount

Room Controller

Model number ERMC and ERMCT
- Four- and eight-zone models available
- UL924 Listed with integrated Sense Feed
- Supports multiple control spaces in a single controller
- Independent 120V, 277V, emergency and plug-load control in a single controller
- 0-10V control and relay outputs
- Integral power supply for up to six stations and power/output controllers
- Optional integral TimeClock for timed events

Elaho Relay Panel Mains Feed

Model number ERP-MF

The Elaho Relay Panel Mains Feed features relay, switching with integral breakers, and options for low-voltage control. Its built-in power supply supports up to six stations and power controllers.

- Thirty-pole 10A, 15A, or 20A breakers
- 28-pole panel with support for 24 relays or dimmers
- 20A mechanically held air-gap relays
- Optional 300-watt dimmer available per circuit
- Optional 0-10V or DALI output
- Optional network interface
- Astronomical and Real-time clock

Elaho Relay Panel Feedthrough

Model number ERP-FT

The Elaho Relay Panel Feedthrough offers creative power distribution for all load types with relay switching for multiple voltages in a single panel. A maximum of six stations and power controllers can be supported by its built-in power supply.

- 120V and 277V power control
- Up to 48 relay outputs
- Optional 0-10V or DALI output
- Built-in power supply for up to six Inspire stations or Responsive Controls
- Astronomical and Real-time clock

Station Power Supplies

Model number E-SPM, E-SPS and E-APS

The Elaho Station Power Supply provides power for stations, responsive controls and power controllers. The Elaho Station Power Supplies come in a variety of mounting options and form factors, making them ideal for healthcare facilities, office buildings, retail locations, houses of worship, schools, and more.

- Up to 1640 feet of control wiring
- Supports up to 16 power controllers and power panels
- Supports up to 16 stations and responsive controls
- Multiple form factors and mounting options available
- Optional 24VDC auxiliary power