UNISON ECHO

Lighting Control System

Architectural Lighting
Product Guide

ETC

Zone and Room Controllers

Echo Room Controllers respond to Echo 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

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

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

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

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

Unison Echo® 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 Echo control system comes in.

The Echo 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, Echo 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 EchoConnect®-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

EchoTouch

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

Control Stations

Echo'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 Echo's two-wire, topology-free technology, your Echo 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 EchoConnect
  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

Echo 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 Echo 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 or black

Echo Interfaces

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

EchoAccess®

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

Echo Echoflex Interface

Model number EEI
- Provides wireless communication between Echo and 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 EchoConnect control network

Echo Expansion Bridge

Model number EEB
- Combines up to four Echo systems with up to 64 control and output devices
- Integrates with Paradigm® systems, which can control all connected Echo systems
- Compatible with all Echo and Paradigm products
- Connects to Wi-FI via network for use with EchoAccess 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 EchoAccess 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 Echo control network
- Utilizes EchoConnect control network plus 24VDC power

BACnet Interface

Model number EBI
- Allows Echo Control System integration with building management systems
- Supports BACnet IP for simple Ethernet based integration
- Utilizes EchoConnect control network plus 24VDC power

Echo Relay Panel Mains Feed
Model number ERP-MF
The Echo 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

Echo Relay Panel Feedthrough
Model number ERP-FT
The Echo 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

Sensor IQ Intelligent Breaker Panel
Model number IQ
The Sensor IQ Intelligent Breaker Panel is a mains-fed power panel that provides switching and 0-10V dimming for stage and houselight systems.
- Dimming, switching and relay for one-, two- and three-pole circuits
- Available in 15- and 30-amp versions
- 12, 24 or 48 circuits available
- Direct connection for up to six Zone and Room Controllers and six Inspire Stations or Responsive Controls
- 230/240/277V circuit versions available

DRd Power Control (with Echo Control)
Model number DRd
DRd features modular dimming and switching with optional network interface cards and low-voltage control. Its optional power supply supports up to 16 stations and up to 15 external power-control devices.
- Up to 48 circuits of dimming and relays
- 10A and 20A circuits

EchoConnect Station Power Supplies
Model number E-SPM, E-SPS and E-APS
The EchoConnect Station Power Supply provides EchoConnect power for stations, responsive controls and power controllers. The EchoConnect 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