



Lighting-control solutions for academic facilities



Unison Echo lighting control system

Intelligent lighting for the classroom

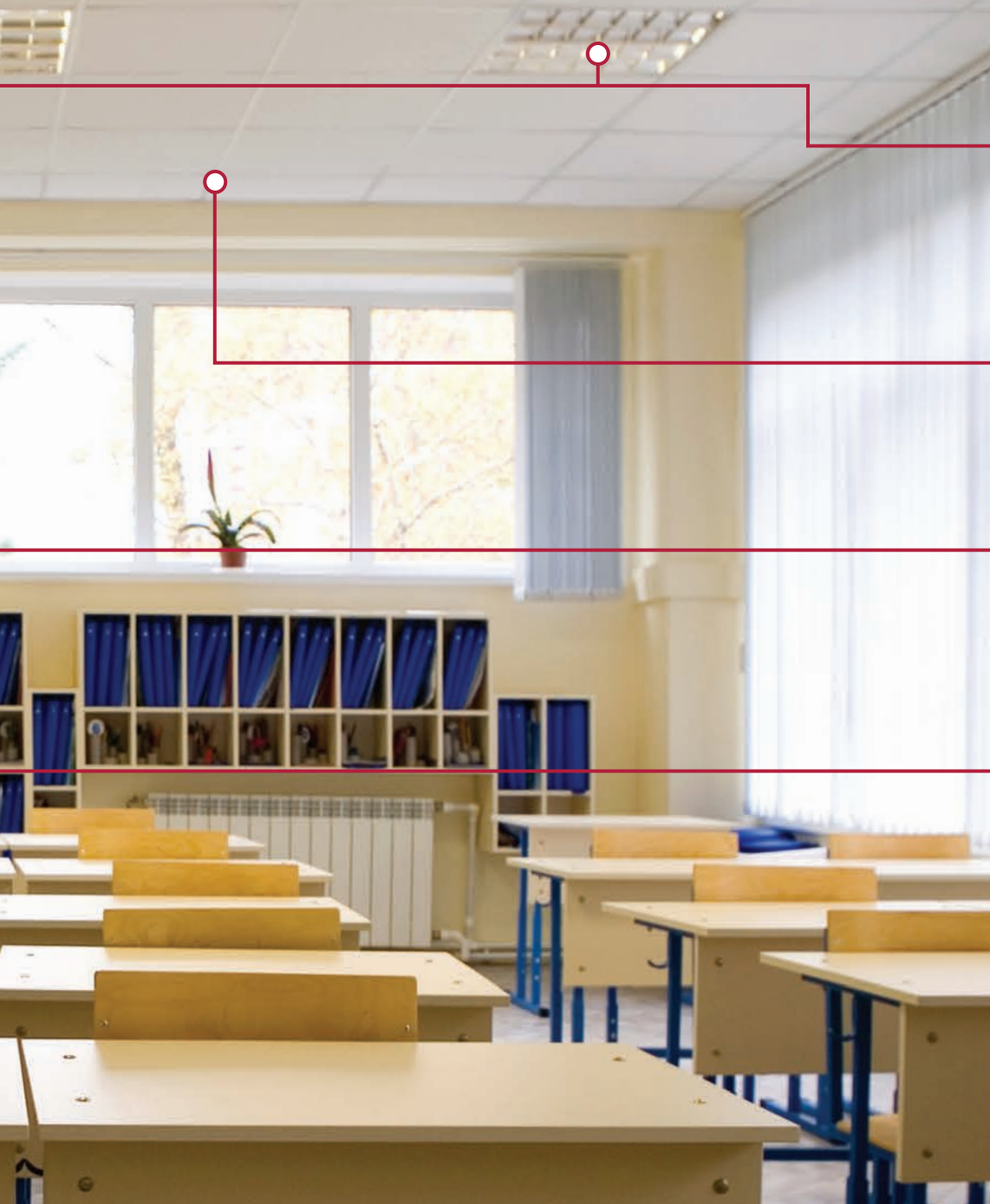
Most lighting systems don't meet the needs of a modern-day classroom. They're expensive, use a lot of electricity, aren't compliant with energy codes, are complicated to run, and don't offer enough flexibility. ETC developed the Unison Echo lighting control system to be a user-friendly, inexpensive alternative.

Teacher's pet

Echo Inspire® stations can be installed anywhere they're needed in a classroom. There can be a single button station by the door to activate all the lights, a second larger station loaded with presets located at the instructor's desk or podium, and additional stations at the back of the room. And with the Space Lockout function, teachers don't have to worry about students changing the lighting without permission.

Echo plays well with others

The EchoConnect® network installs quickly and easily with no configuration required. Its two-wire topology-free bus means that academic institutes don't have to spend the time or money modifying existing infrastructure.



Echo Room Controller

Supports six stations and power controllers, with Astronomical and Real TimeClocks for preset on/off functionality

Echo Light Sensor

Harvests natural light and reduces electronic lighting sources to save energy

Echo Occupancy Sensor

Automatically turns lights on when a room is in use and switches them off when a space is empty

Inspire control stations

Sleek button and fader stations that can be located anywhere for convenient lighting control

EchoConnect

A configuration- and topology-free network that includes data and power on a single pair of wires to deliver distributed lighting intelligence

Energy savings that gets all A's

The Echo system can scale back the amount of energy used in an academic building. On sunny days, classrooms have lots of natural light coming in through the windows. The Echo Light Sensor harnesses that light and lowers the output of the electric fixtures, reducing power usage. Echo Occupancy Sensors can be installed in classrooms and other spaces that remain empty for a lot of time during the day, ensuring that the lights are running only when the area is in use. These products also let schools and universities meet required energy codes, including ASHRE 90.1, CA Title 20/24 and IECC standards.

Long division

The Echo Power Control System can be divided into zones to control lighting classroom by classroom or by smaller groups of lights inside a classroom. That means that the Echo Astronomical or Real TimeClock can program the lights to turn on and off at a specific time, all in unison. It also brings flexibility to the classroom: the block of lights above a projection or video screen can be lowered or turned off while the rest of the room stays lit, the lights near a window can be dimmed by the Light Sensor while the lights further away can be brighter, or a teacher could turn the lights down above a quiet study spot without affecting other areas.



Inspire Control Stations

- One-, two-, four-, six-, and eight-button stations
- Four-button station with fader
- Consistent and reliable preset zone and space control
- Cream, Gray, Black, or White finish



Dual Tech Occupancy/Vacancy Sensor

- Automatic setting of occupancy or vacancy mode (no configuration)
- Small-room, large-room and high-ceiling options available
- Passive Infrared (PIR) and acoustic detection
- Thirty-second grace timer
- Walk test function
- Available in Black or White



Light Sensor

- 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 Black or White



Echo Room Controller

- Four or eight 20A relays with 0-10V control
- 120-277V discrete feed
- Lighting and plug load capable
- Demand Response contact input
- Astronomical and Real TimeClock
- AV input to trigger AV preset

EchoConnect

- No configuration required
- Distributed intelligence with no centralized processor
- Data and power on single pair of wires
- Topology-free wiring
- Optional use of Cat5 cable



Corporate Headquarters ■ 3031 Pleasant View Rd, PO Box 620979, Middleton WI 53562 0979 USA ■ +1 608 831 4116

London, UK ■ Unit 26-28 Victoria Industrial Estate, Victoria Road, London W3 6UU, UK ■ +44 20 8896 1000

Rome, IT ■ Via Bruno Pontecorvo 10, 00012 Guidonia Montecelio, Roma, Italy ■ +39 06 32 111 683

Holzkirchen, DE ■ Ohmstrasse 3, 83607 Holzkirchen, Germany ■ +49 8024 4700-0

Hong Kong ■ Room 1801, 18/F, Tower 1 Phase 1, Enterprise Square, 9 Sheung Yuet Road, Kowloon Bay, Kowloon, Hong Kong ■ +852 2799 1220

Web ■ etccconnect.com ■ Copyright©2018 ETC. All Rights Reserved. All product information and specifications subject to change. 7186L1004 Rev B 04/18