



## GENERAL INFORMATION

When time-based control and energy consumption are a concern, the Echo TimeClock brings low-cost, time-of-day control to Echo architectural and Sensor® Power control systems. With astronomical and real-time event support, as well as recurrence and holiday schedules, the TimeClock provides critical energy savings for today's energy-code requirements.

### APPLICATIONS

- Education
- Hospitality
- Healthcare facilities
- Office buildings
- Conference rooms
- Meeting rooms
- Retail

### FEATURES

- Supports 16 Echo control spaces
- Astronomical timeclock with +/- sunset or sunrise settings and programmable latitude/longitude
- 24-hour real time clock with user configurable Daylight Saving Time
- Four recurrence settings: every day, weekday, weekends and day of week
- 50 field-programmable events
- Hold: keep the system in the current event up to two hours or until canceled
- Simple manual control of presets with overrides
- Resumes program automatically after power loss
- Backlit graphical LCD display
- Meets California Title 24 and ASHRAE 90.1 requirements

### GENERAL

- UL and cUL LISTED
- CE marked

## ORDERING INFORMATION

### Echo Astronomical TimeClock

MODEL	DESCRIPTION
E-ATC-__	Echo TimeClock Station

To order, indicate the color, 1, 4, or 5 in the blank:

- 1 = Cream (RAL 9001)  
 4 = Black (RAL 9004)  
 5 = Signal White (RAL 9003)

### Echo TimeClock Accessories

MODEL	DESCRIPTION
E-2C	Two-Gang Locking Cover - Flush-Mount (Cream)
E-2B	Two-Gang Locking Cover - Flush-Mount (Black)
E-2W	Two-Gang Locking Cover - Flush-Mount (White)

### Echo Power Requirements

EchoConnect:	1 Unit of Control Power
Auxiliary Power:	40mA

## 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

## 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

## 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
ERMC4-G2	Four Zone Room Controller
ERMCT4-G2	Four Zone Room Controller with TimeClock
ERMC8-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

SPECIFICATIONS

FUNCTIONAL

- Home screen displays time, date, and any active tasks
- Ability to hold current preset for timed-event override (up to two hours)
- Supports up to 16 presets
- Supports everyday, weekday, weekends and day of week recurrence
- Supports Time-of-day, sunrise with offset, and sunset with offset events
- Supports 50 events
- Supports up to 16 control spaces

MECHANICAL

- Mounts in flush-mount, industry-standard, two-gang backboxes
- Surface-mount backboxes available from ETC
- High-contrast, backlit graphical LCD
- Six-button menu-navigation keypad
- Injection-molded ABS plastic bezel available in three standard colors: cream, black, and white
- Bezel has no visible means of attachment
- Locking cover available
- Fully enclosed electronics assembly

ELECTRICAL

- Connects via the EchoConnect® control network via low-voltage Class 2 wiring
- Two #16 AWG wires for 24VDC auxiliary power
- Topology-free wiring over Belden 8471 or equivalent and one #14 ESD drain wire
- 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 1000ft using CAT5
- All station terminations utilize pluggable connectors

THERMAL

- Ambient temperature: 32° to 104°F/0 to 40°C
- Ambient humidity: 30-90% non-condensing

PHYSICAL

TimeClock Dimensions

MODEL	HEIGHT		WIDTH		DEPTH	
	in	mm	in	mm	in	mm
E-ATC	4.5	114.3	4.9	124.5	1.3	30.1

TimeClock Weights

MODEL	WEIGHT	
	oz	g
E-ATC	8	227

