



Type(s)

Project

Date

Notes

GENERAL INFORMATION

The Wireless TimeClock (WTC) brings time-based control to your Echoflex system effortlessly. Its comprehensive event programming capabilities maximize energy efficiency and help installations meet Title 24, IECC, and ASHRAE-90.1 energy requirements. Powerful grouping features and masking logic enable large-scale control of devices, rooms, groups of rooms, and more, enabling the Wireless TimeClock to operate as a system controller.

APPLICATIONS

- Educational
- Hospitality and restaurants
- Healthcare
- Commercial Offices
- Conference rooms
- Meeting rooms
- Retail

FEATURES

- Scene control with 15 configurable scenes across all Groups
- Up to 50 scheduled, timed Events across 24 separate Groups.
- Unlimited devices within each Group
- Time based masking of stations and sensors
- Meets California Title 24, IECC, and ASHRAE 90.1 requirements
- Astronomical timeclock with before/after 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
- Hold: keep the system in the current event up to two hours or until canceled
- Simple manual control of scenes with overrides
- Resumes program automatically after power loss
- Backlit graphical LCD display
- Mounts in industry-standard two-gang electrical box

ORDERING INFORMATION

Echoflex Wireless TimeClock

MODEL	DESCRIPTION
WTC-AU_	Echoflex Wireless TimeClock

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)

Echoflex TimeClock Accessories

MODEL	DESCRIPTION
SL-2C	2-Gang Flush-mount Sliding Locking Cover (Cream)
SL-2B	2-Gang Flush-mount Sliding Locking Cover (Black)
SL-2W	2-Gang Flush-mount Sliding Locking Cover (White)
EEL-EA	External Antenna with magnetic mounting base
N1124	External Antenna Flexible Patch Cable, 8.5"
N1125	External Antenna Extension Cable, 35'
E-APS	Auxiliary Power Supply, 24 V

Power Requirements

12–24 VDC or 24 VAC Class 2:	100 mA
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SUPPORTED PROFILES

- MSC - manufacturer specific, contact Echoflex for more details

SPECIFICATIONS

FUNCTIONAL

- Home screen displays time, date and any active holds or holiday shut-offs
- High-contrast, backlit graphical LCD
- Ability to hold current scene for timed-event override (up to two hours)
- Supports 7-day scheduling with everyday, weekday, weekends and day of week recurrences
- Supports Time-of-day, sunrise with offset, and sunset with offset events
- Supports 50 timed events
- Manual scene recall from button interface
- Schedule device masking of stations or sensors provides time-based responsive device control
- Schedule explicit light levels
- Schedule up to 15 scenes across 24 Groups

MECHANICAL

- Mounts in flush-mount, industry-standard*, two-gang electrical boxes
- Surface-mount electrical boxes available from Echoflex
- Six-button menu-navigation keypad
- Injection-molded ABS plastic bezel available in three standard colors: cream, black, and white
- Screwless bezel provides a clean contemporary appearance
- Locking cover available
- Fully enclosed electronics assembly
- External Antenna option
- Two terminals accommodating #16–22 AWG wires for 12 VDC - 24 VDC/AC input power

*Note: Mounts in typical flush-mount North American style two-gang electrical boxes, minimum depth 51 mm (2.0 in)

COMMUNICATIONS

- 902 MHz (U) FCC ID: SZV-TCM515U, Industry Canada: 5713-TCM515U
- Wireless range of up to 24 m (80 ft) - commercial office spaces (typical), up to 100 m (330 ft) line-of-sight
- Integrated whip antenna
- Optional external antenna with magnet mounting

ENVIRONMENTAL

- Operating temperature: 0°–40° C (32°–104° F)
- Ambient humidity: 5–95% non-condensing

Compatible Echoflex Wireless Controllers

MODEL	DESCRIPTION
ELED1-BUN 120-277	LED Fixture Controller, 1/2" nipple mount, 120–277 VAC
ELED1-BUS 120-277	LED Fixture Controller, strap mount, 120–277 VAC
ELED1H-AU 240-347	LED Fixture Controller, 240–347 VAC
ELED2-BU 120-277	Tunable White Dimming Controller, 120–277 VAC
ELED2H-AU 240-347	Tunable White Dimming Controller, 240–347 VAC
ELED3-BU 120-277	Tri-Zone Dimming Controller, 120–277 VAC
ELED3H-AU 240-347	Tri-Zone Dimming Controller, 240–347 VAC
ELEDR-AU 120-277	Power Load Controller, 120–277 VAC
ELEDRH-AU 240-347	Power Load Controller, 240–347 VAC
ERNR20S-AU	Split Duplex Controlled Receptacle
ERNR20D-AU	Duplex Controlled Receptacle
ER6CD-BU 120	Phase Adaptive Dimmer, 600 W at 120 VAC
ER12CD-AU 120	Phase Adaptive Dimmer, 1200 W at 120 VAC
ER12CD-AU 277	Phase Adaptive Dimmer, 1200 W at 277 VAC

PHYSICAL

TimeClock Weight and Dimensions†

MODEL	HEIGHT		WIDTH		DEPTH		WEIGHT	
	in	mm	in	mm	in	mm	oz	g
WTC	4.95	115	4.95	126	1.3	30	8	227

†Note: Mounts in typical flush-mount North American style two-gang electrical boxes, minimum depth 51 mm (2.0 in)

