

Chronos™ System Bridge and Timeclock

The *RadioRA Chronos* System Bridge and Timeclock can serve as the main communication hub of up to two *RadioRA* systems. Devices in a *RadioRA* system communicate with the *Chronos* via Radio Frequency (RF). Each *Chronos* supports up to 64 *RadioRA* Lighting Zone Controls and 24 *RadioRA* Master Controls.

In addition, *Chronos* provides an astronomical timeclock for scheduling lighting changes based on time of day or astronomic events, an RS-232 port for serial communications to other systems, and contact closures for integration with other systems in the home.

Features

- Can be added to an existing *RadioRA* system, or serve as the main system control in a new *RadioRA* system.
- Built-in astronomical timeclock.
- RS-232 port for serial communication to other systems.
- Three contact closure inputs for interfacing to other systems.
- Graphical LCD with user friendly menus for system setup and diagnostics.
- Durable membrane touchpad for user interface.
- Main Repeater Functions.
- Manages one or two systems.
- Provides a unique house code to eliminate interference by neighboring systems.
- Works with a network of repeaters for increased system reliability.
- Covers 2500 square feet of living space.



Job Name:	Model Numbers:
Job Number:	

Specifications

Standards

- UL Listed (Adapter).
- NOM Certified.
- FCC Approved. Complies with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.
- Industry Canada Registered.

Power

- AC Adapter:
 Input power: 120 V~ 60 Hz
 Output power: 18 V~ 300 mA
- Use only the Adapter provided by Lutron with the Chronos™.

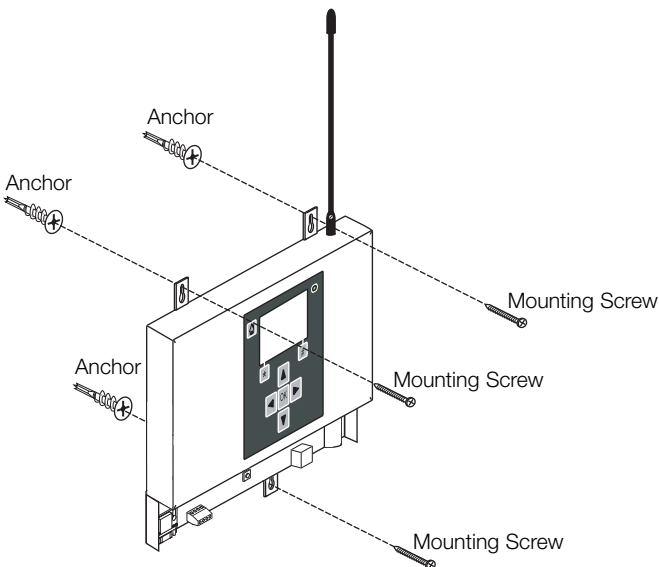
Data Retention

- 10-year battery backup.

Timeclock

- Up to 13 Timeclock Scenes.
- Up to 100 Timeclock Events.

Mounting



- Home and Away Modes.
- Events can be activated based on time of day or in relation to sunrise/sunset times (astronomical).

System Communications

- RF coverage of up to 2500 square feet. Up to 3 auxiliary repeaters may be added (per system) to expand RF coverage.

Inputs/Outputs

- Contact Closure Inputs for Security Mode, Home/Away Mode, or scene activation.
- RS-232 port for integration with other systems.
- Standard PS/2 keyboard port for navigation and data entry.

System Maximums

- Single System (*Chronos* used as a Master Control or a Main Repeater):

- 32 Lighting Zone Controls
- 12 Master Controls
- 4 RF Signal Repeaters (3 Repeaters if *Chronos* used as Main Repeater)

- Bridged System (*Chronos* used as a Main Repeater):
 64 Lighting Zone Controls
 24 Master Controls
 6 RF Signal Repeaters (3 per system)

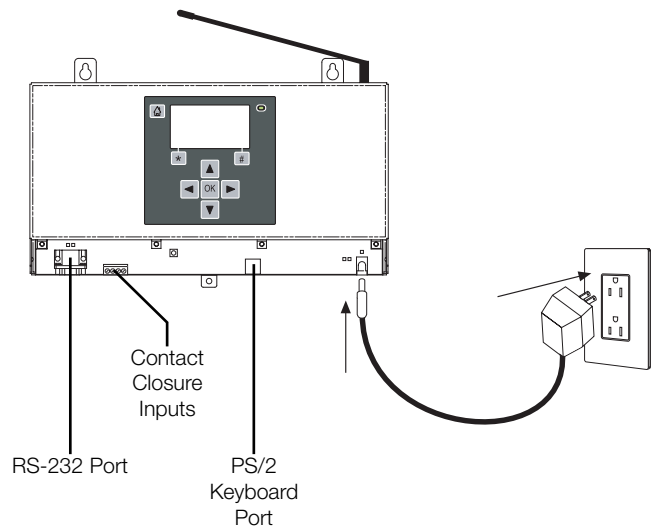
Environment

- Ambient operating temperature: 0-40°C, 32-104°F
- 0-90% humidity, non-condensing.
- Indoor use only.

Warranty

- 1-year Limited Warranty.

Connections

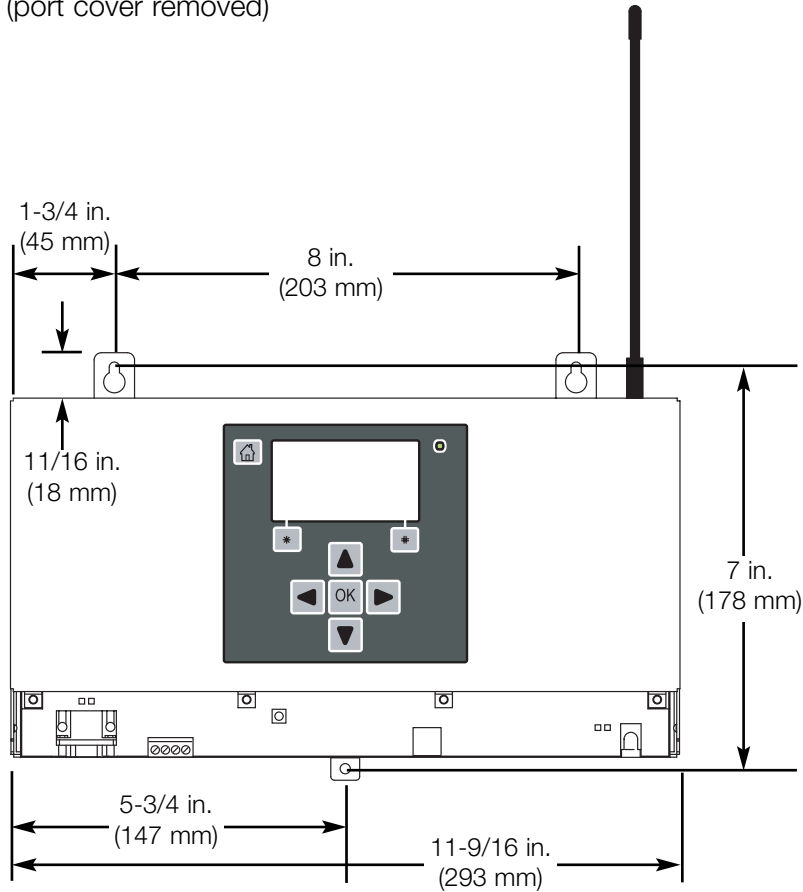


Job Name:	Model Numbers:
Job Number:	

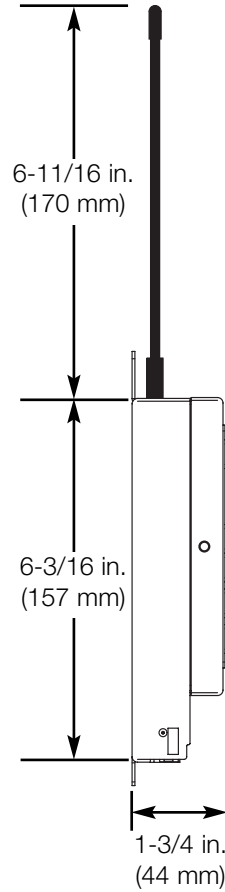
Dimensions

Front View

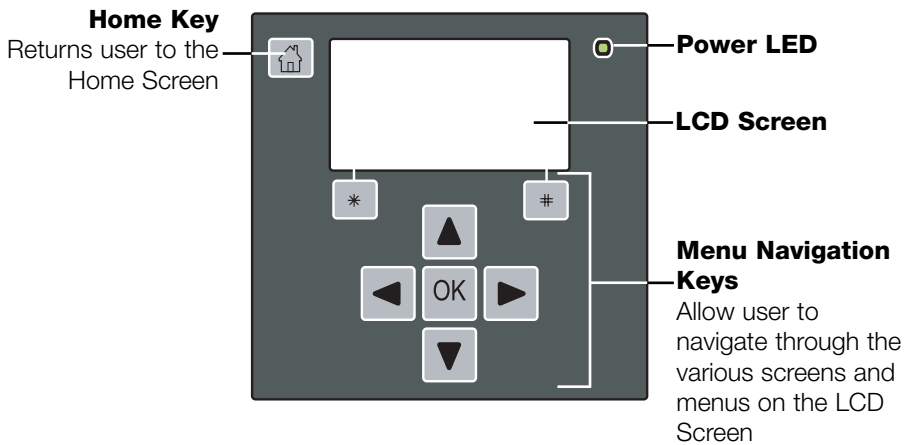
(port cover removed)



Side View



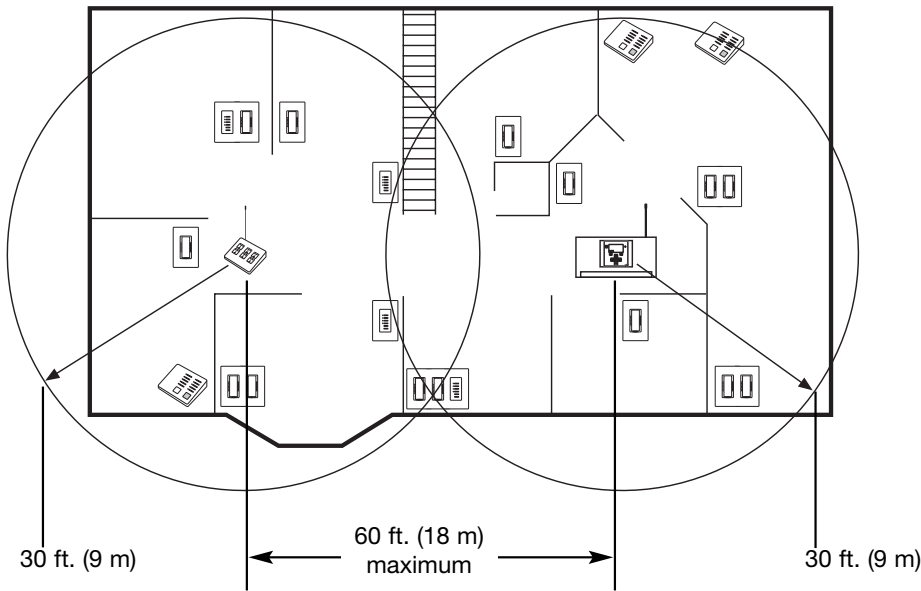
Touchpad



Job Name:	Model Numbers:
Job Number:	

System Overview

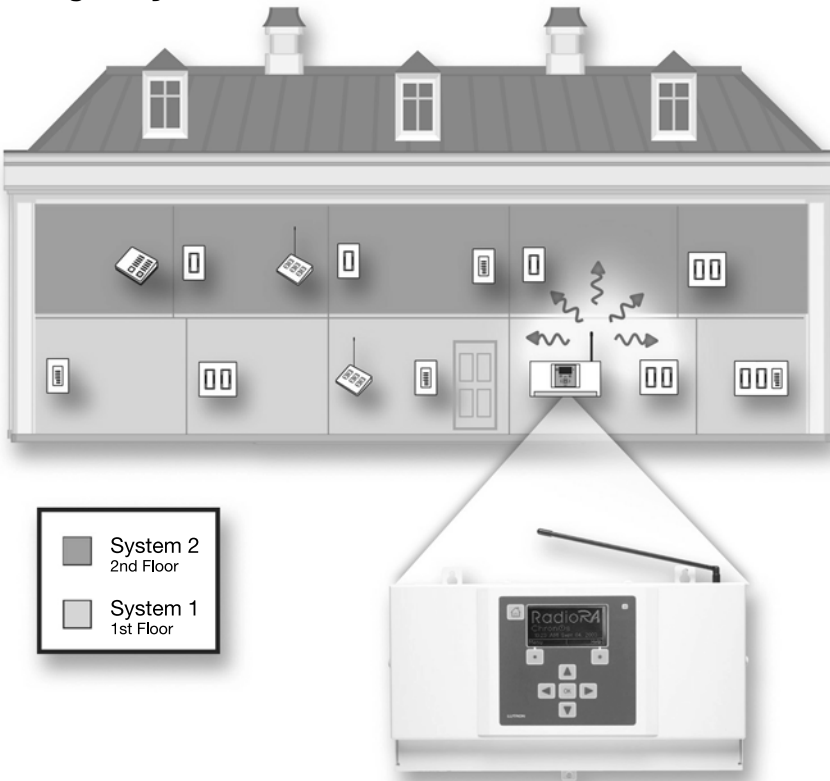
Single System



System Communication Notes

- *RadioRA* Lighting Zone Controls and Master Controls must be located within 30 ft. (9 m) of *Chronos* or a Repeater. Multiple repeaters may be necessary to provide adequate coverage.
- Additional repeaters must be within 60 ft. of *Chronos* or another repeater.
- *RadioRA* Lighting Zone Controls cannot be controlled and *RadioRA* Master Controls will not function until they are addressed and programmed.
- *Chronos* and Repeaters each provide RF coverage for an area of approximately 2500 sq. ft.
- One (1) *Chronos* with three (3) Auxiliary Repeaters will cover an area of approximately 10,000 sq. ft.

Bridged System



Job Name:	Model Numbers:
Job Number:	