



Elegance™ System Owner's Guide

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Elegance™ System

Owner's Guide

Congratulations!

We at CentraLite Systems, Inc. appreciate your selection of the CentraLite Elegance lighting control system. Your system should provide you with many years of trouble-free service. Please read this guide carefully.

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I. General Information

The *Elegance* system is a centrally controlled home lighting system which allows you to control any light in your home or all of your lights from a single location. The operation of the system is very simple. Any switch that controls a single light or grouping of lights is called a load switch. You simply touch a load-switch button to toggle a load on or off. Each load can be programmed to ramp up or down at whatever rate you choose. The initial level is also programmable. Pushing and holding a dimmable load-switch button will cause the lights on the load to brighten or dim, depending on where the load started. As the load achieves full brightness when brightening, it will now begin to dim. When you release the switch, it stops the brightening or dimming and holds the dim level until the button is pushed again, or until the load is affected by a "Scene."

A "Scene" is a group of loads that are faded from where they are to a new programmed setting by using a single button. Touching the button will activate the Scene. With a standard Scene switch, holding the button for more than two seconds will turn off the Scene. An alternately programmed Scene switch can also "toggle" a scene and dim or brighten all lights within a scene by pressing and holding the button.

Your system may also control curtains and blinds, ceiling and bathroom fans, garage door openers and even pumps and other motor loads. Operating instructions for these devices are shipped with the product.

Customer Support

Customer support is available from Centralite 24 hours a day, 7 days a week.

If you have further questions about your system, call us Toll Free at 877-466-5483 or 251-607-9119.

II. System Components

1. Master Control Panel (MCP)

IMPORTANT NOTE: The Master Control Panel has no user-serviceable parts. It should be removed from the wall by authorized Centralite service technicians only. It does not contain high-voltage electricity.

The Master Control Panel (MCP) is the system's brain. It may be installed in a master bedroom, closet, mechanical room, basement, or other desirable location. There is a green LED on the bottom of the panel that is always illuminated. There is a reset button located at the top of the panel. If the green light is on, and the system is not working, press the "Reset" button. The red LED should illuminate for a few seconds, and then go off. If the red light stays on for more than a minute call, the Dealer/Installer. If the red LED is blinking it means a switch is stuck somewhere in the system(the system will still operate normally).

2. Solid-state Electronic Switches (Relays) - CAUTION!!!

IMPORTANT NOTE: Electronic switches (solid state relays) never turn completely on or completely off. **Therefore, before changing light bulbs or working on any lighting circuit, be sure to turn off the circuit breaker that feeds that lighting circuit.** These devices are the switches that control the high-voltage portion of the lighting circuits. These devices have been installed in one or more metal boxes by your installer, probably next to a service breaker panel. **DO NOT OPEN THIS BOX! DO NOT ATTEMPT TO SERVICE ANYTHING INSIDE THIS BOX! IT CONTAINS HIGH-VOLTAGE ELECTRICITY THAT CAN CAUSE SEVERE INJURY OR DEATH.** It should be serviced only by an authorized Centralite service technician.

3. System Transformer

A number of 12-Volt AC transformers power the Centralite system. They are located near or inside the relay box. If your system fails to operate, push the "Reset" button.

If the green LED on the MCP is not lit, check the circuit breakers that feed the system transformers. If the system still does not work, call your Centralite Dealer/Installer or call Centralite Systems Toll Free at 1-877-466-5483.

4. Wall Switches

Wall Switches may be one, two, three, or four switches on a single gang plate. These are momentary contact switches. Pushing a load-switch button will cause the circuit to toggle. If it was off, it will turn on. If it was on, it will turn off.

Pushing and holding a button for more than ½ second will cause the circuit (if it was programmed as a dimmer) to enter into the dimming mode. Only incandescent, halogen, magnetic low-voltage, and certain types of fluorescent lights may be programmed as dimmers. In the dimming mode, a light that was off will begin to gradually brighten, and a light that was on will gradually dim. When you release the button, it will stop and hold the light at the level where it is. Pushing and holding it down again will resume dimming or brightening in the same direction that it was going before. Tapping the button will turn it off.

Green LEDs located in the upper left-hand corner of the switches will always glow dimly so you can locate switches at night. If the switch is a load switch, the LED will come on bright when the light or load is on.

CAUTION!!! DO NOT ASSUME A LIGHTING FIXTURE IS COMPLETELY OFF BECAUSE ITS LED IS NOT ON. THE SYSTEM USES ELECTRONIC SWITCHES TO CONTROL THE LOADS. AN ELECTRONIC SWITCH IS NEVER COMPLETELY OFF. IT MAY HAVE A SMALL AMOUNT OF CURRENT FLOWING EVEN WHEN IT'S "OFF." THIS COULD BE ENOUGH TO CAUSE SERIOUS INJURY OR DEATH. BE SURE TO TURN THE MECHANICAL CIRCUIT BREAKER OFF BEFORE CHANGING LIGHT BULBS OR WORKING ON ANY CIRCUIT.

If the push buttons become dirty, they can be cleaned with any mild window cleaner. If they remain dirty, you may clean them with isopropyl (rubbing) alcohol or denatured alcohol.

Wall Switches may be labeled individually or engraved with legends. Contact your dealer or Centralite Systems for details.

5. Scene Control

The Centralite *Elegance* has standard scene control of up to 256 user-programmable scenes. All scenes are programmable by the installer or the homeowner, and may be changed at any time. A Scene is a way to turn on, off, or preset the dim level of any or all of the circuits on the system by pushing a single button.

Scene buttons will work in one of two ways:

The scene button can be programmed to activate a scene when tapped and turn the scene off when pressed for more than 2 seconds.

The scene button can alternately be programmed to “toggle” the scene much like a load switch. When the button is tapped the scene will turn on or off. When pressed for more than ½ second, the lights in the scene will all brighten or dim together.

III. General Purpose Scenes

The Scenes are invoked by means of any Centralite standard push-button switch that is connected to a Centralite MCP.

EXAMPLE: Suppose you have programmed a “Midnight Snack” Scene. You have set up the program so that the hallways leading to the kitchen from the bedroom are dimly lit and the kitchen light is on at 50%. When you press the “Midnight Snack” Scene button, the lights will come on as programmed (hallways dimly lit and the kitchen lights at 50%) allowing you to go to the kitchen for your midnight snack without having to turn on the lights as you go. When you return to the bedroom, simply push the “Midnight Snack” scene button and hold it for two or three seconds. All pathway lights and the kitchen light will then go off.

Vacation Mode

Holding the “Vacation” switch button down for about three seconds will enable the “Vacation” mode. Touch or tap the “Vacation” button to turn off the “Vacation” mode. When the system is in the “Vacation” mode, the system will turn lights on and off to simulate occupancy.

Real-Time Clock

Your *Elegance* system contains a real-time clock, which always knows the time and date. You may have Scenes which happen at certain times of the day. The clock will automatically take into account leap years and daylight savings time. Consult your dealer or the Centralite factory for programming information.

Your system contains a modem which can connect it to phone lines. It can then be programmed from the dealer’s office or the Centralite factory.

IV. Owner's Troubleshooting Guide

CAUTION! Centralite switches are safe, but other switches in your home may contain dangerous 115-Volt AC electricity. Therefore, be very careful when removing any switch cover plate.

Symptom	Solution
System is completely non-functional.	<p>Check the green panel light. If it is on, the system is getting power. If it is off, no 12- Volt AC power is being supplied.</p> <ol style="list-style-type: none"> 1. Check the circuit breaker, which is powering the 12-Volt Class II transformer. 2. If the transformer has 110-120 Volts AC power, but is not delivering 12- Volts AC or so, the transformer is bad and should be replaced by a certified, licensed electrician. DO NOT OPEN THE COVER OF THE RELAY PANEL! RELAY PANEL CONTAINS HIGH-VOLTAGE ELECTRICITY, WHICH CAN CAUSE SEVERE INJURY OR DEATH!
System has AC power (green light is on), but is completely non-functional.	Press the Reset button. The Reset button is located on the front panel.
Red LED light on MCP blinks.	One of the switches is stuck in the "On" position. Leave the panel, locate the switch that is stuck, and free it. Tapping on the switch can usually do this. When a switch is stuck, the light will be turned off by the system. It will return to normal operation as soon as its switch is unstuck.
Light stays on even when its green LED is not lit.	Call your authorized Centralite service representative.

Symptom	Solution
One particular load will not come on. Red LED is flashing on MCP.	Switch button is stuck. After 30 seconds, it will go into the stuck switch mode. The light will be forced off. The MCP panel red LED will blink. Tap each of the switch buttons that control the circuit. If the problem persists, call your Centralite Dealer, or call Centralite directly.
One or more sets of lights won't work.	Circuit breaker is tripped. Check circuit breakers.
Red LED is flashing on the MCP.	A switch button is stuck somewhere in the system.
Halogen lights burn out too quickly.	Halogen lamps must run full bright at least part of the time. If halogen lamps are run less than full bright for long periods, their duration will be shortened. Try to run them full bright at least 5 minutes per week.
Halogen lights turn black.	Same as above.
Some of my lights hum or "sing" when they are dimmed.	Normal dimming will cause almost all lights to hum to some extent. Generally, this is not noticeable. The easiest solution is to use a different type of bulb. The worst bulbs for singing are 130-volt bulbs. Certain types of bulbs such as garage door opener bulbs will not sing at all. Generally, smaller-sized bulbs will hum less than larger bulbs. Lamp debuzzing coils are available if this becomes a problem. Contact Centralite factory for details.

V. System Specifications

The Centralite *Elegance* system is a microprocessor-controlled centralized home lighting system.

Maximum Number of Control Circuits Per MCP: 192

Power Input: Nominally 12-volts AC from a class II transformer

Output to Relays: 5-volts DC (switched and phase controlled)

Maximum Load Per Circuit: 10 amps (1,200 watts) using a standard relay
15 amps (1,750 watts) two loads in each panel box

Relay Panel Configurations: 24- or 48-dimmer panels

Maximum Number of Parallel Switches on a given STAR Input: 2

Maximum Number of Scenes Per MCP: 256

Maximum Number of Switch Inputs Per MCP: 384

Minimum Remote Control Operating Distance: 100 feet from receiver, nominally
200 feet

Operation Temperature:

Control panel:

Maximum Ambient: 40° C

Minimum Ambient: 0° C

Relays:

Maximum Ambient: 40° C

Minimum Ambient: 0° C

Wall Switches:

Maximum Ambient: 40° C

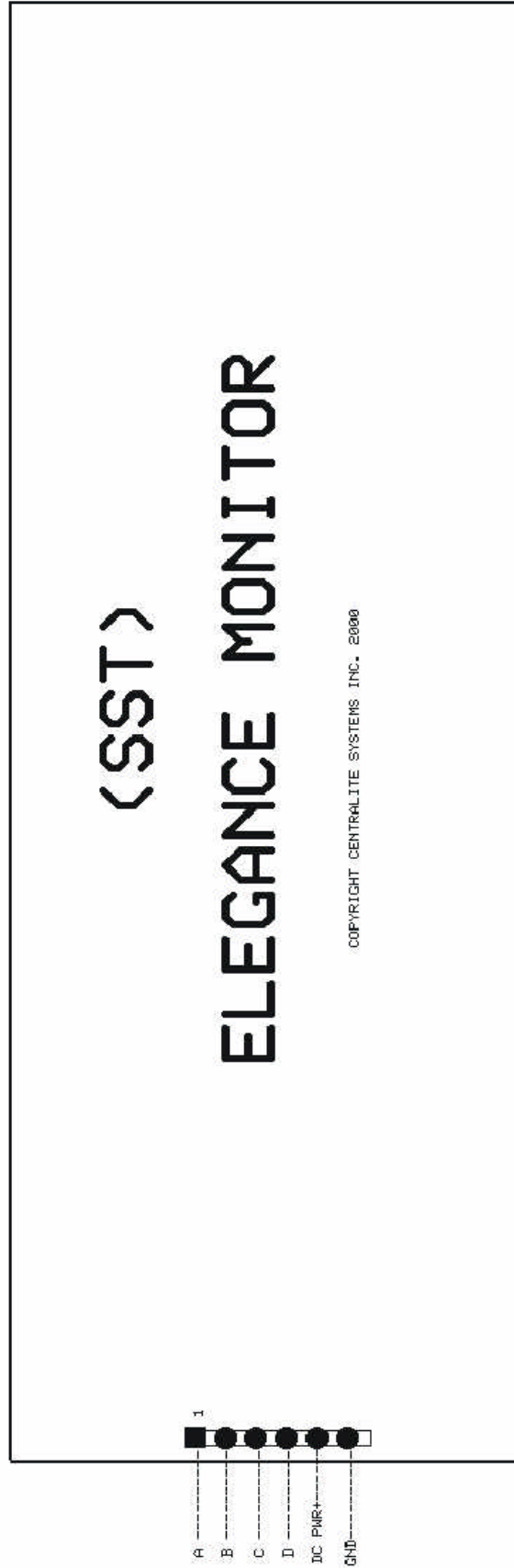
Minimum Ambient: 0° C

System Wiring: 6-conductor cable containing 22-gauge stranded jacketed
Class II cable

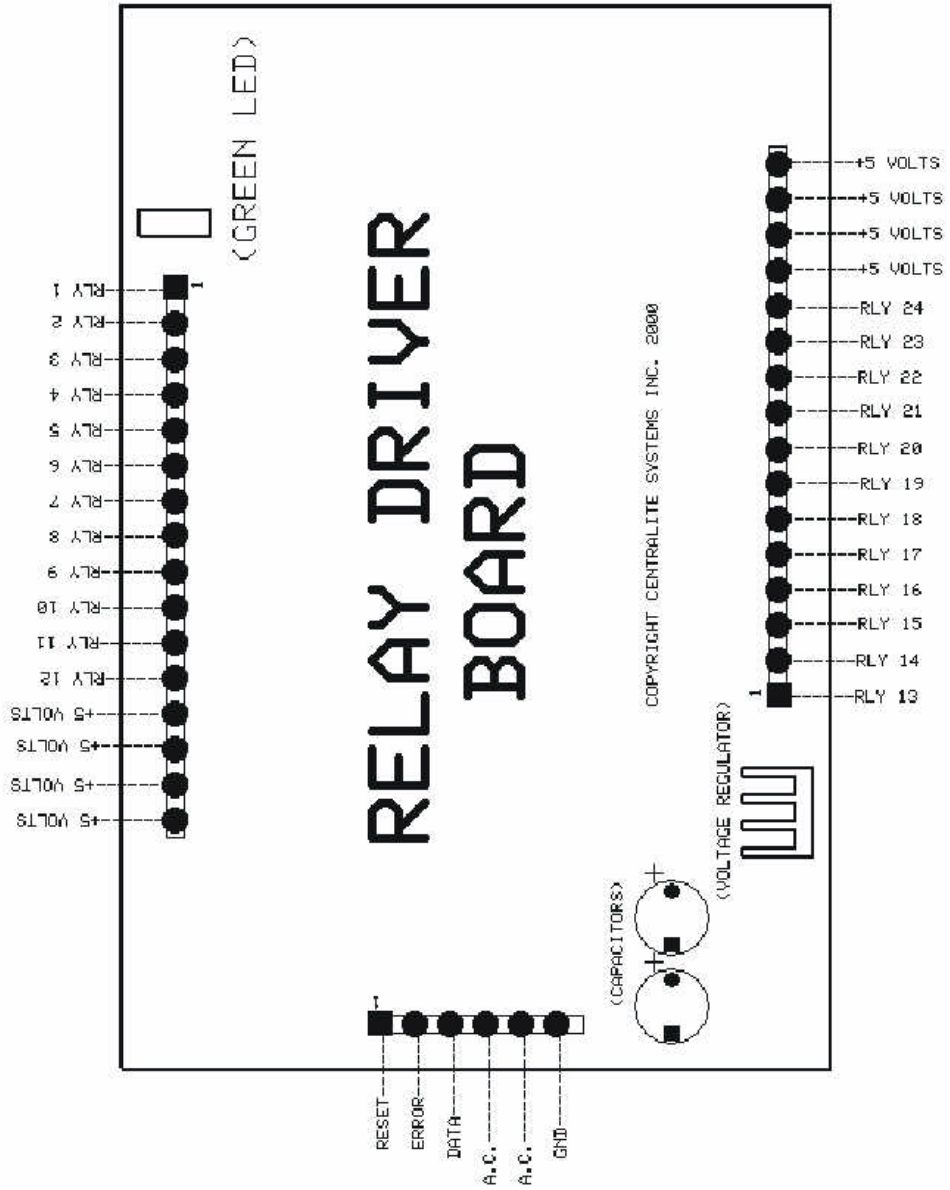
Standard Warranty: 2 years from date of system startup

Agency Listings: UL, CSA, CUL

APPENDIX A - CONNECTOR PIN LISTS



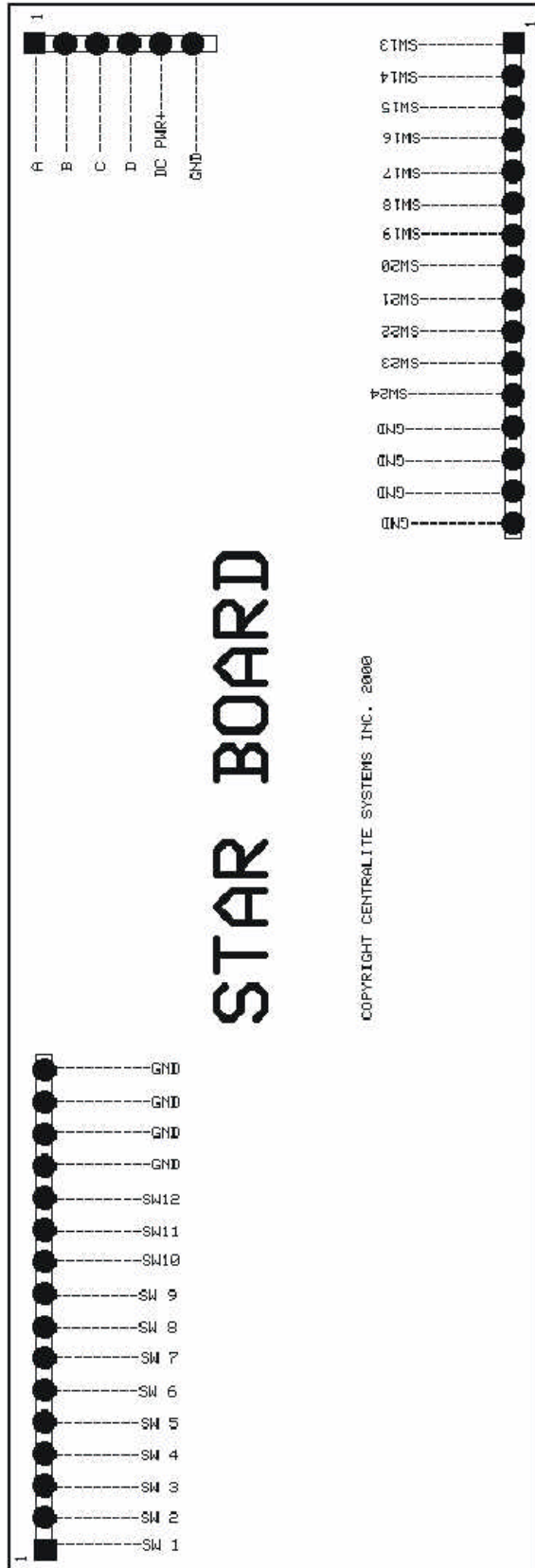
APPENDIX A

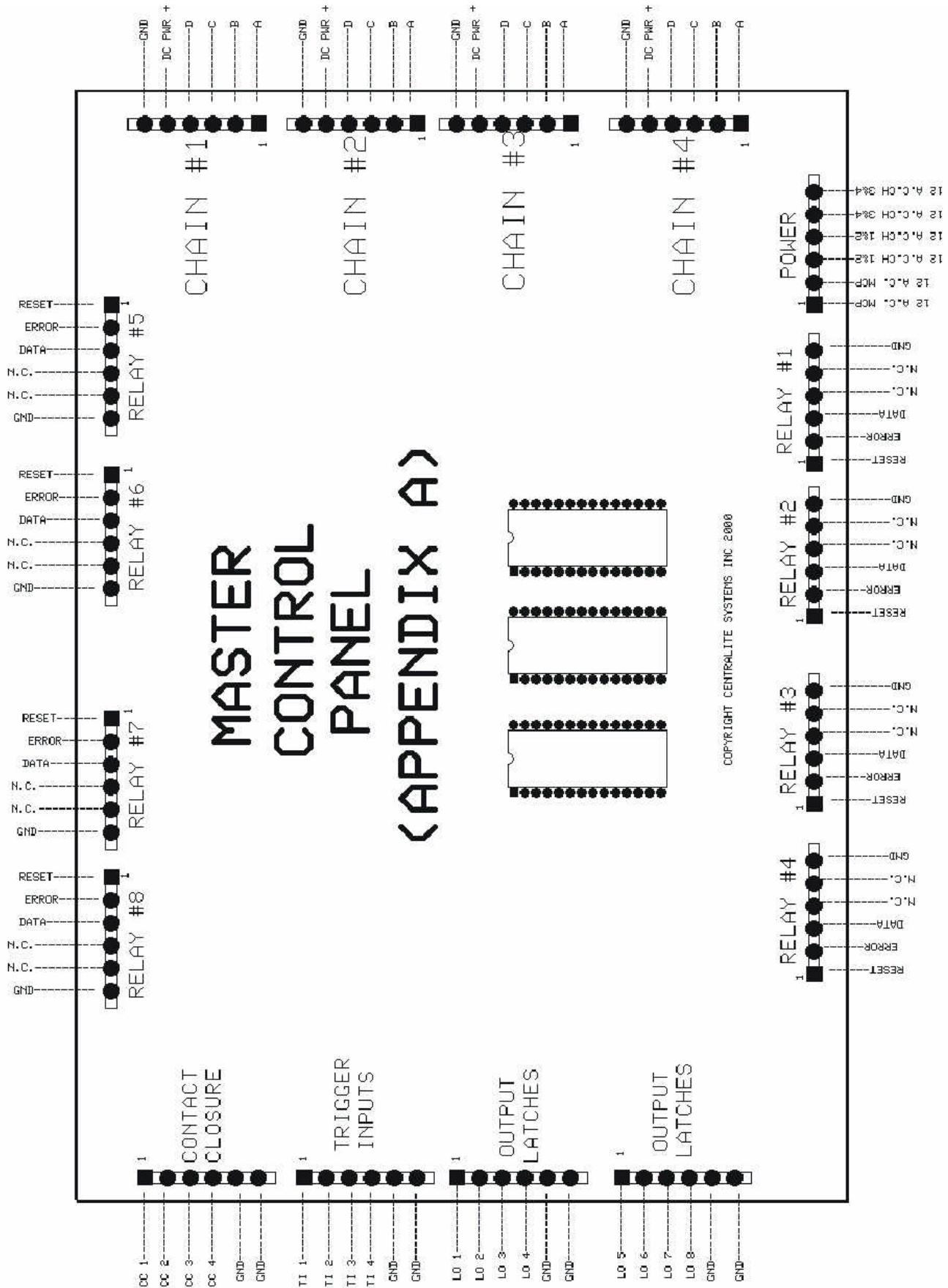


APPENDIX A

STAR BOARD

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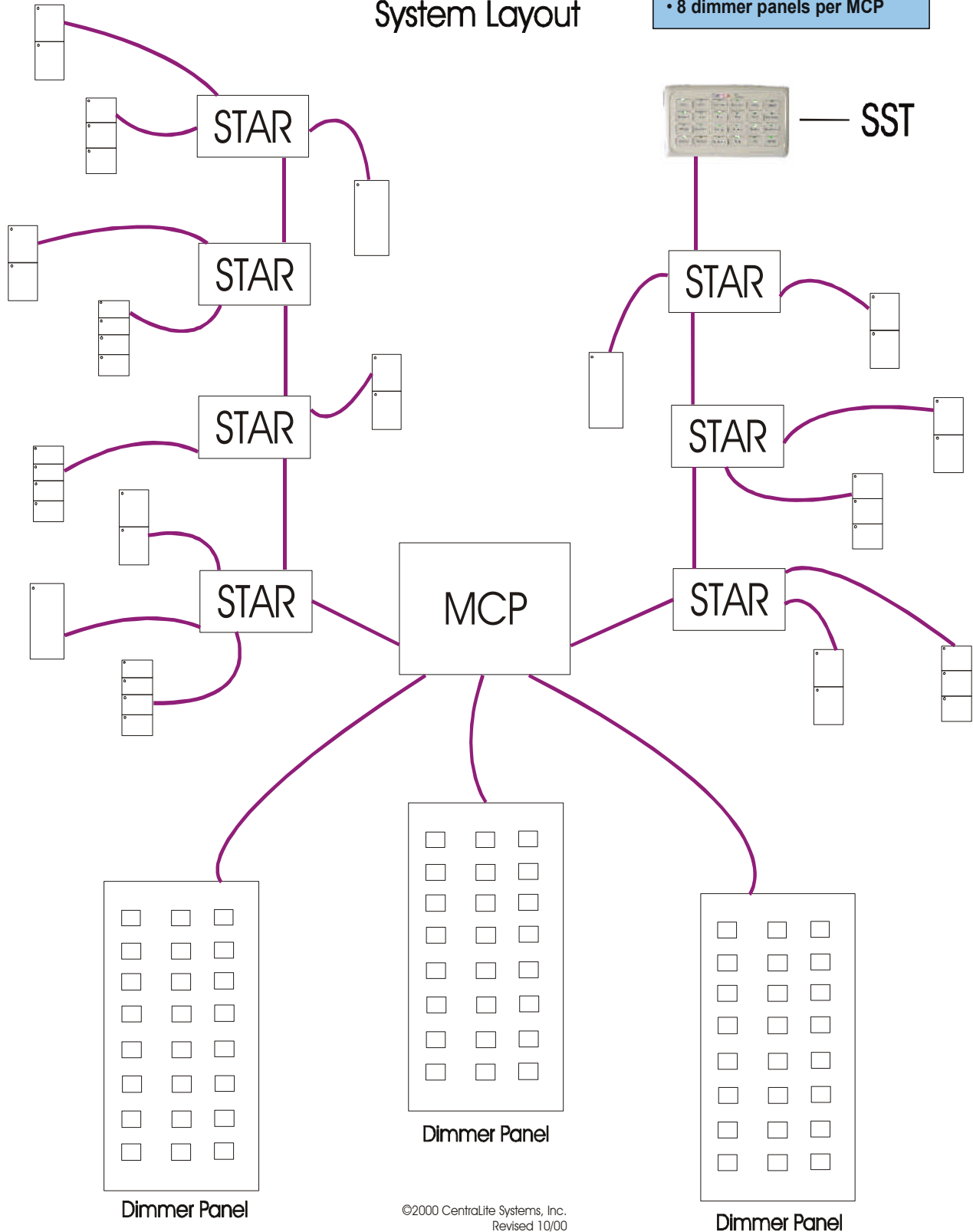


Elegance

System Layout

Up to:

- 16 STARs per MCP in 4 chains
- 24 switches per STAR
- 8 dimmer panels per MCP



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Appendix C – *Elegance* Master Panel Description

