



# POWER CONTROLLER

---

## Operation Manual



**WARNING**  
**RISK OF ELECTRIC SHOCK  
DO NOT OPEN**

**CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.**



The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instruction in the literature accompanying the appliance.

**WARNING: TO REDUCE THE RISK OF FIRE OR SHOCK,  
DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.**

## IMPORTANT SAFETY INFORMATION

**Read Information**—All the safety and operating information should be read before the appliance is operated.

**Follow Information**—All operating and use information should be followed.

**Retain Information**—The safety and operating information should be retained for future reference.

**Heed Warnings**—All warnings on the appliance and in the operating instructions should be heeded.

**Wall Mounting**—Mounting of this appliance should be done only by an authorized installer.

**Ventilation**—The appliances should be situated so that their location or position does not interfere with their proper ventilation. These appliances should never be placed near or over a radiator or heat register. These appliances should not be placed in a built-in installation such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.

**Non-Use Periods**—Appliances that are left unattended and unused for long periods of time should be de-energized.

**Power Sources**—The appliances should be connected to a power supply only of the type described in the operating instructions or as marked on each appliance. If you are not sure of the type of power supply to your home, consult your authorized ELAN dealer or local power company.

**Grounding or Polarization**—These audio products must be connected to a grounding-type alternating-current circuit on a dedicated circuit breaker. This is a safety feature. The green safety wire from the A.C. circuit must be connected.



**Water and Moisture**—To reduce the risk of electric shock or fire, these appliances should not be used near water—for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool.

**Power Cord Protection**—A.C. Power supply circuits should be routed by a certified electrician only, in accordance with the NEC standards.

**Telephones**—Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electrical shock from lightning. Do not use a telephone to report a gas leak if the leak is in the vicinity of the ELAN electronic equipment because of risk of fire or explosion.

**Cleaning**—Turn off the circuit breaker to this audio product before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.

**Power Lines**—An outdoor antenna should be located away from power lines. When installing an outside antenna system, extreme care should be taken to avoid touching power lines or circuits, as contact with them may be fatal.

**Outdoor Antenna Grounding**—If an outside antenna or cable system is connected to these audio products, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Section 810 of the U.S. National Electrical Code, and Section 54 of the Canadian Electrical Code, provide information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See the grounding diagram (right).

**Overloading**—Do not overload wall outlets and extension cords, as this could result in fire or electric shock.

**Object and Liquid Entry**—Never insert objects of any kind through the openings of these appliances, as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Care should be taken so that objects do not fall and liquids are not spilled into the appliance through openings in the enclosure.

**Servicing**—Do not attempt to service these appliances yourself, as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

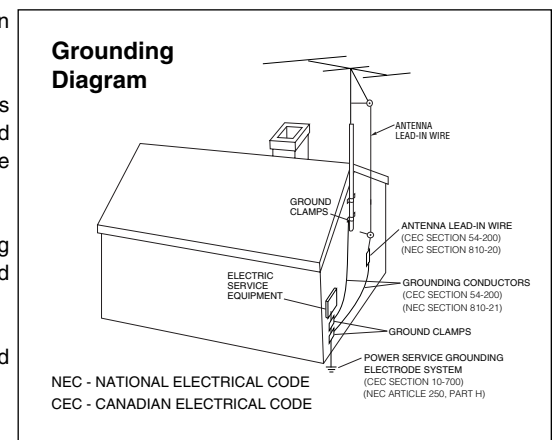
**Damage Requiring Service**—These appliances should be serviced by qualified service personnel when:

- A power supply connection or a plug has been damaged or
- If liquid has been spilled into the appliance or objects have fallen into the appliance or
- The appliance has been exposed to water or moisture or
- The appliance does not appear to operate normally or exhibits a marked change in performance or
- The appliance has been dropped or the enclosure damaged.

**Replacement Parts**—When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards. The Master Control Unit battery should be replaced only after turning the power off and only by an authorized installer.

**Safety Check**—Upon completion of any service or repairs to this audio product, ask the service technician to perform safety checks to determine that the audio product is in proper operating condition.

**Lightning**—For added protection for these audio products during an electrical storm, or when they are left unattended and unused for long periods of time, turn off the circuit breaker, and disconnect the antenna or cable system. This will prevent damage to the audio products due to lightning and power-line surges.



# TABLE OF CONTENTS

<i>Warning and Safety Information</i> .....	i, ii
<i>Introduction</i> .....	1
<i>Features</i> .....	2
<i>Front Panel Controls and LED Indicators</i> .....	3, 4
<i>Surge Protected AC Outlets</i> .....	5
<i>2-Line Telephone Surge Suppression</i> .....	6
<i>COAX Surge Suppression</i> .....	6
<i>AC Power Conditioning</i> .....	6
<i>EMI and RFI Noise Reduction</i> .....	6
<i>Trigger Inputs</i> .....	7
<i>Trigger Outputs</i> .....	7
<i>Dip Switch Functions and Settings</i> .....	8, 9
<i>Home Theater Applications:</i> .....	10, 11
<i>Example 1 - Current Sense</i> .....	10
<i>Example 2 - SmartSense</i> .....	11
<i>Z•Series Components Power &amp; Remote Trigger Connections</i> ....	12
<i>Troubleshooting Guide</i> .....	13
<i>Warranty</i> .....	14
<i>Extended Warranty and Registration Card</i> .....	Separate Enclosure

# INTRODUCTION



The Z•POWER Controller is a critical hub for both home theater and distributed A/V systems. Understanding that each system has common protection, sequenced AC switching needs and unique triggering requirements, Z•POWER addresses these issues in a 1.75" low-profile format.

The Z•POWER unit contains 8 earth grounded outlets with a total switching capacity of 1500W. Two current sensing outlets are always on. Four outlets will turn on immediately with a trigger input. Two additional outlets turn on with a time delay determined via front panel dip-switches.

No other power manager has as many trigger options as the Z•POWER Controller. The six switched outlets can be triggered by the AC current sense of the first two unswitched outlets, by a remote trigger input, from the SmartLinc™ sensor input, or by a front panel toggle switch.

Available SmartLinc sensors include contact closure, low voltage input, light detection, AC voltage and even TV horizontal flyback detection.

Additionally, you can "dipswitch" select any combination of these triggers so that multiple sources can initiate the turn on sequence.

The 12Vdc triggered output and a relay contact closure make it easy to close drapes or lower projector lifts and motorized screens.

The relay output contact is programmable, allowing home theater triggered events to close drapes, but whole house system audio triggered events to turn on source equipment without closing the drapes!

High-quality transient voltage protection is also included in this unit, with inductive AC line filtering, MOV Surge Protection, 15A Circuit Breaker, a 2-line telephone surge suppressor and 1GHz coax surge suppressor "loop-through".

Front Panel LEDs indicate operational status of the unit and fault monitoring of the AC line.

The Z•POWER Controller provides an extended warranty on all ELAN equipment purchased with and connected to this unit. A true, no-hassle guarantee.

## FEATURES AND SPECIFICATIONS:

### *AC Outlets:*

- 2 always on, both with current sense
- 4 switched immediately when triggered
- 2 delayed, with 4 options on delay time
- Switching Capacity: . . .1500W total

### *Trigger Options:*

- 3 - 24V AC or DC
- 120Vac Current Sense
- SmartLinc Sense
- Combination Sense
- Always On—Manual Front Panel Power Switch Control

### *Control Outputs:*

- +12Vdc @ 100 mA remote trigger output jack
- Programmable Dry Relay Contact output

### *AC Power Conditioning and Protection:*

- 800 Joule, MOV Surge Protection
- 270V Clamping Level
- 15dB Line Noise Rejection
- 15A Circuit Breaker

### *Low Voltage Signal Surge Protection:*

- 1 GHz Coax Surge Suppressor with 15KV of Protection
- 2 Telephone Line Surge Suppressors with Resetable Fuses

### *Front Panel Features:*

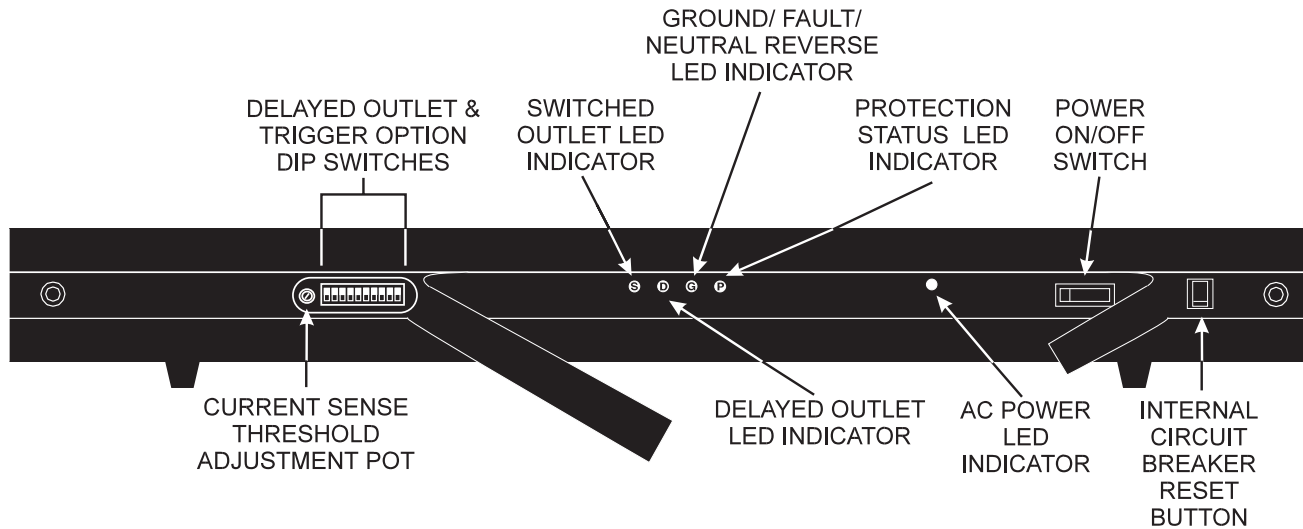
- Master On / Off Switch
- Trigger Option and Delay Dip Switches
- LEDs: Power, Triggered, Delay, Ground OK, Phase OK

### *General:*

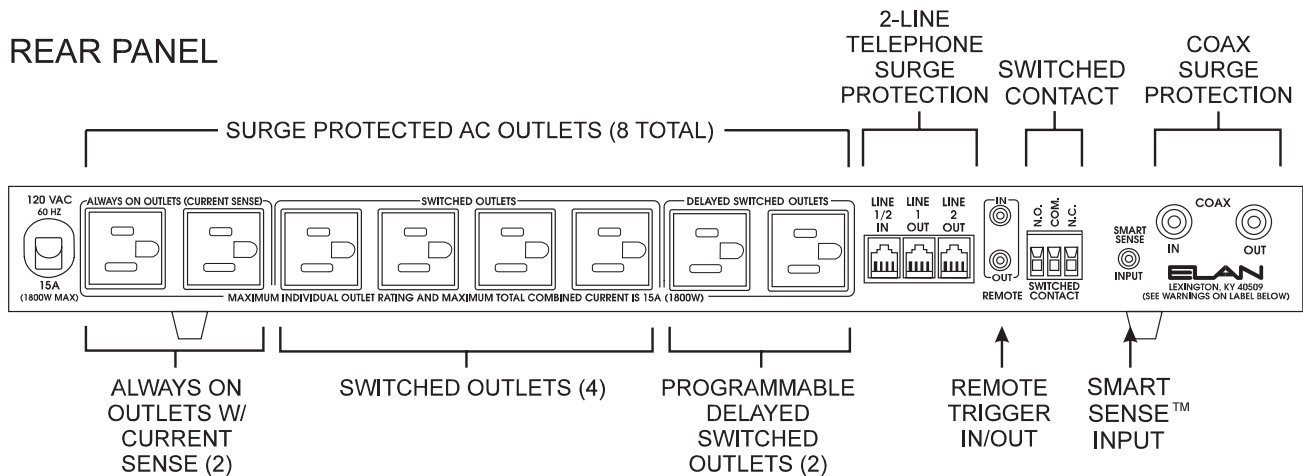
- Power Requirements: 120Vac, 12W
- Dimensions:  
Z•POWER . . .1.75" X 17.0" X 10" STD  
Z•POWER . . .1.75" X 19.0" X 10" Rack  
ETL® Approved

# FEATURES

## FRONT PANEL



## REAR PANEL



# FRONT PANEL CONTROLS & LED INDICATORS

CLOCKWISE



INCREASE CURRENT SENSE THRESHOLD

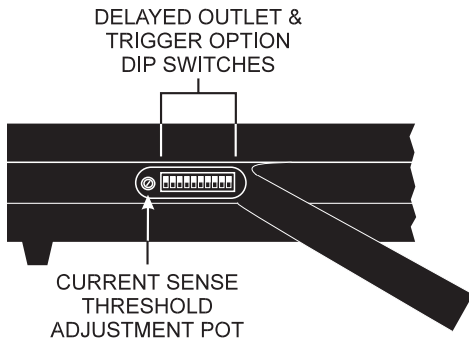
COUNTER CLOCKWISE



DECREASE CURRENT SENSE THRESHOLD

## CURRENT SENSE THRESHOLD ADJUSTMENT

Located behind the pull-back Lexan strip on the front left of the Z•POWER CONTROLLER is the Current Sense Threshold Adjustment pot. This pot adjusts the level at which the two Always ON Current Sense Outlets detect that the components plugged into them have been turned on, thereby triggering the Z•POWER CONTROLLER's remaining AC outlets and trigger outputs.



## DELAYED OUTLET & TRIGGER OPTION DIP SWITCHES

Located next to the Current Sense Threshold pot, this bank of ten dip switches is used to program the delay time of the two Delayed Switched Outlets (dip switches 1-2), independently enable/disable any of the trigger input options (dip switches 3-6) and to program which triggered events will activate the Switched Contact relay output (dip switches 7-10).



## SWITCHED OUTLET LED INDICATOR

GREEN – indicates that the Z•POWER CONTROLLER's four Switched Outlets are activated.



## DELAYED OUTLET LED INDICATOR

GREEN - indicates that the Z•POWER CONTROLLER's two Delayed Switched Outlets are activated.



## GROUND/FAULT/NEUTRAL REVERSE LED INDICATOR

YELLOW – indicates that the AC outlet the Z•POWER CONTROLLER is plugged into is not grounded properly and/or that the Hot and Neutral wires are reversed. Contact your electrician.



## PROTECTION

YELLOW – indicates that the Z•POWER CONTROLLER's protection circuitry has been damaged due to surge. Contact Your authorized ELAN installer or call ELAN Technical Support at 1-800-622-ELAN (3526).



## AC POWER LED INDICATOR

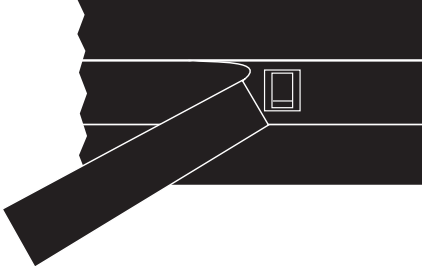
RED – indicates that the Z•POWER CONTROLLER is powered up.

# FRONT PANEL CONTROLS & LED INDICATORS



## POWER ON/OFF SWITCH

Allows you to manually turn on or off the Z•POWER CONTROLLER. Can be defeated via a front panel dip switch setting to allow for uninterrupted automatic triggering.



## MAIN CIRCUIT BREAKER RESET BUTTON

The Z•POWER CONTROLLER is equipped with an over-current safety protection device in the form of an internal 15A circuit breaker. This circuit breaker will trip whenever the Z•POWER CONTROLLER's 15A or 1500W maximums are exceeded, or when a component plugged into it has failed and may cause damage to the Z•POWER CONTROLLER or other components.

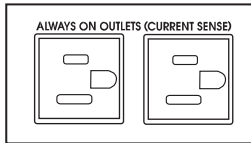
Should the circuit breaker trip, unplug all components from the Z•POWER CONTROLLER then press the RESET button.

If the power LED turns on, then it is more than likely that one of the components that had been plugged into the unit has failed. If the power LED did not come back on it is possible that there has been some damage to the Z•POWER CONTROLLER. Contact your authorized ELAN installer or call ELAN Technical Support at 1-800-622-ELAN (3526).



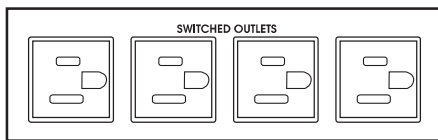
# SURGE PROTECTED AC OUTLETS (8)

## ALWAYS ON OUTLETS WITH CURRENT SENSE (2)



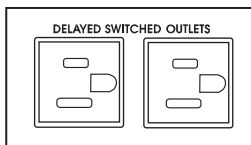
These two outlets are on whenever the Z•POWER CONTROLLER is powered up. In addition, whenever these two outlets ‘sense’ that the components plugged into them have been turned on, they have the capacity to trigger the Z•POWER CONTROLLER’s six remaining AC outlets, Switched Contacts and +12VDC Remote Out. The Current Sense THRESHOLD can be adjusted by a pot located on the front of the unit (see page 3). The Current Sense feature can also be disabled via the front panel dip switches.

## SWITCHED OUTLETS (4)



The four Switched Outlets can be automatically powered on by any or all of the Z•POWER CONTROLLER’s trigger input options: CURRENT SENSE (see above), 3-24V AC/DC REMOTE INPUT (see page 7) or SMART SENSE INPUT (see page 7). These outlets have a fixed Power OFF delay time of 8 seconds.

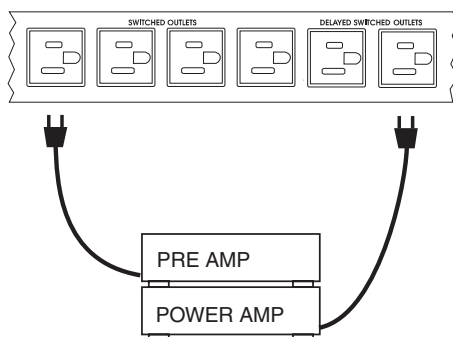
## DELAYED SWITCHED OUTLETS (2)



Like the four regular Switched Outlets, the two Delayed Switched Outlets can also be automatically powered on by any or all of the Z•POWER CONTROLLER’s trigger input options; the difference is that these outlets will turn on either 6, 8, 12 or 19 seconds after being triggered. The delayed TURN-ON time is programmed via dip switches 1 & 2 on the front panel (see page 8 for dip switch settings). Power OFF time is instantaneous.

Note: whatever turn-on time delay has been programmed via the dip switches determines the delay time of both Delayed Switched Outlets. They can not be programmed independently.

## SEQUENTIAL START UP/POWER DOWN



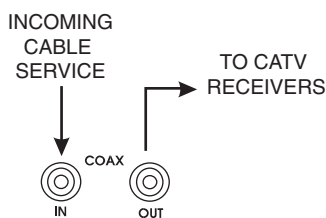
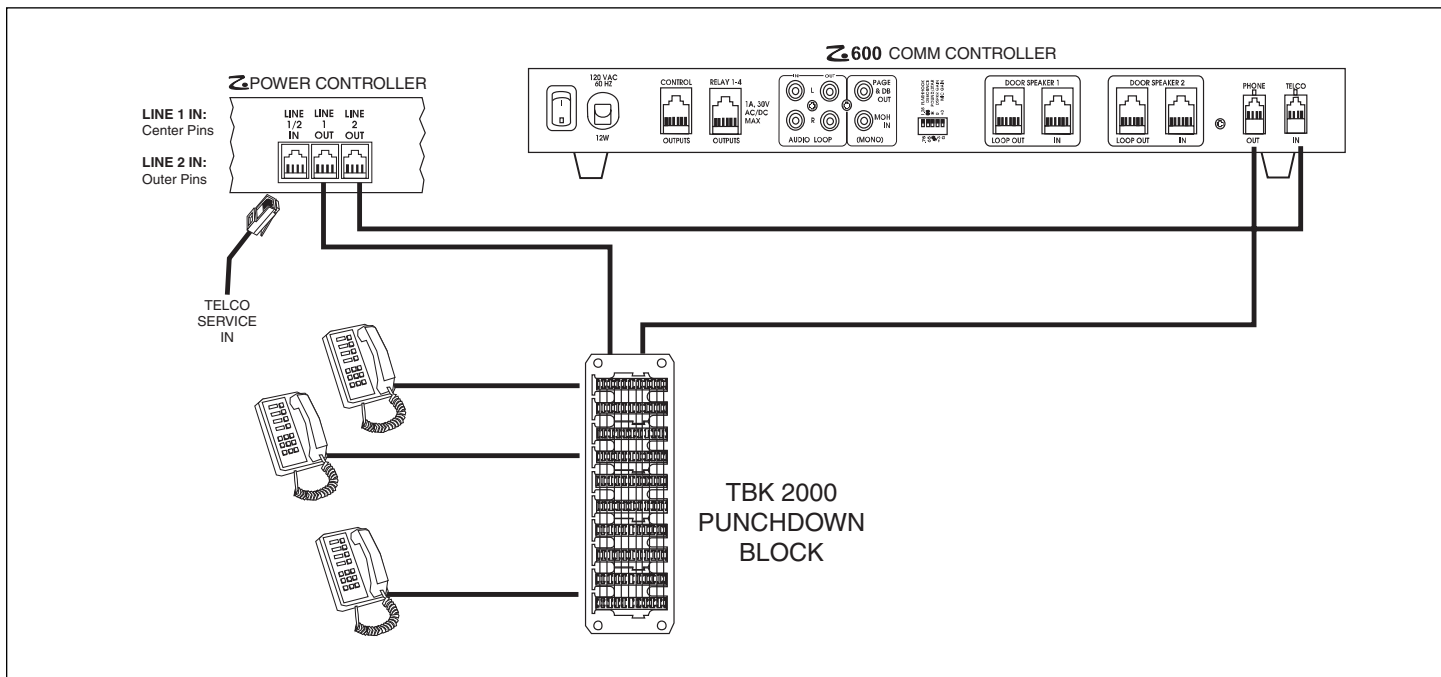
Delayed or ‘sequential’ power up/power down is most commonly used for a system’s power and pre amplifiers. Powering these components up at the same time can cause annoying and potentially speaker-damaging ‘pops’. By plugging the preamp into the Z•POWER CONTROLLER’s Switched Outlets (which turn on instantly) and plugging the system’s amplifiers into the Delayed Switched Outlets you can eliminate these pops upon system power up. Conversely, since the Delayed Switched Outlets turn off immediately and the Switched outlets have an eight-second turn-off delay, all pops are eliminated upon powering down the system.

## 2-LINE TELEPHONE SURGE SUPPRESSION

The Z•POWER CONTROLLER can help protect your telephones, fax machines, computer modems and pay-per-view lines, and is perfect for any ELAN system utilizing the Z•600 Communications Controller or HD Series Telephone Interface Card. This fuse-protected circuit automatically resets upon dissipation of the surge.


### CONNECTIONS

The diagram below shows two lines coming into the home, one of which (LINE 2) is connected to the ELAN Z•600 COMMUNICATIONS CONTROLLER.



## COAX SURGE SUPPRESSION

The Z•POWER CONTROLLER also helps prevent surge damage to components from one of the most common and overlooked avenues of surge ingress into the home – coaxial cable.



The Z•POWER Controller's coax surge suppression circuit was designed for cable TV inputs only and should not be used to protect satellite dishes & receivers. Consult your local installer for satellite specified surge protection units.

## AC POWER CONDITIONING

Inductive AC line filtering "conditions" the flow of electricity to any unit plugged into the Z•POWER CONTROLLER, assuring that irregularities (i.e. spikes/ebbs) in the AC line will not degrade the sound quality of your A/V components.

## EMI & RFI NOISE REDUCTION

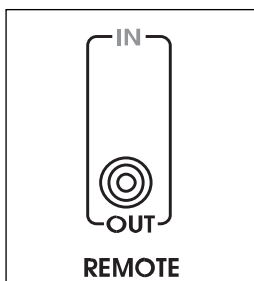
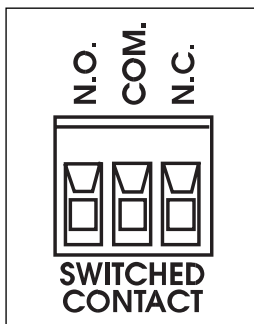
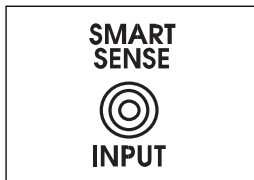
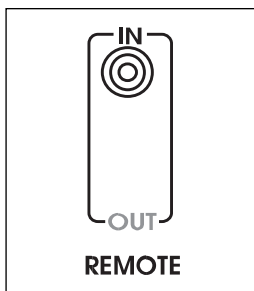
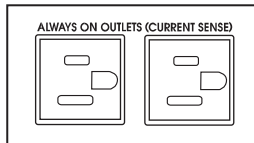
Electro Magnetic and Radio Frequency Interference can be introduced into your audio/video system via the AC line from any number of components. The Z•POWER CONTROLLER helps eliminate this "noise" with 15dB of Line Noise Rejection.

# TRIGGER INPUTS AND OUTPUTS

## TRIGGER INPUTS

All of the following Trigger Inputs can be used to:

1. turn on the four Switched AC outlets instantaneously
2. turn on the two programmable Delayed AC outlets
3. trigger the +12VDC Remote Out
4. activate the Switched Contacts



### CURRENT SENSE

Triggers any of the above actions upon sensing the current of a component plugged into either of the Always On Current Sense AC outlets.

### REMOTE IN

Triggers any of the above actions upon detecting 3-24 Volts AC or DC

### SMART SENSE (SmartLinc compatible)

SmartSense (available 2001 from ELAN) or SmartLinc probes (currently available from SmartLinc @ [www.smartlinc.com](http://www.smartlinc.com)) are a series of easy-to-use plug-in devices that detect the power status of A/V equipment by sensing either AC current, video signals, light, the RF frequencies generated by a TV whenever it's turned on, or 3-28 V AC or DC. When the probe plugged into the Z•POWER CONTROLLER's SmartSense input detects any of these signals it can trigger any of the above actions.

## TRIGGER OUTPUTS

### SWITCHED CONTACT

Most commonly used in Home Theater applications, the switched or 'dry' contact terminals on the back of the Z•POWER CONTROLLER can automatically control the relays on motorized projection screens, lifts, blinds, shades and drapes whenever one of the input trigger options is activated.

Switched Contact ON time: Immediate

Switched Contact OFF time: 8 second delay

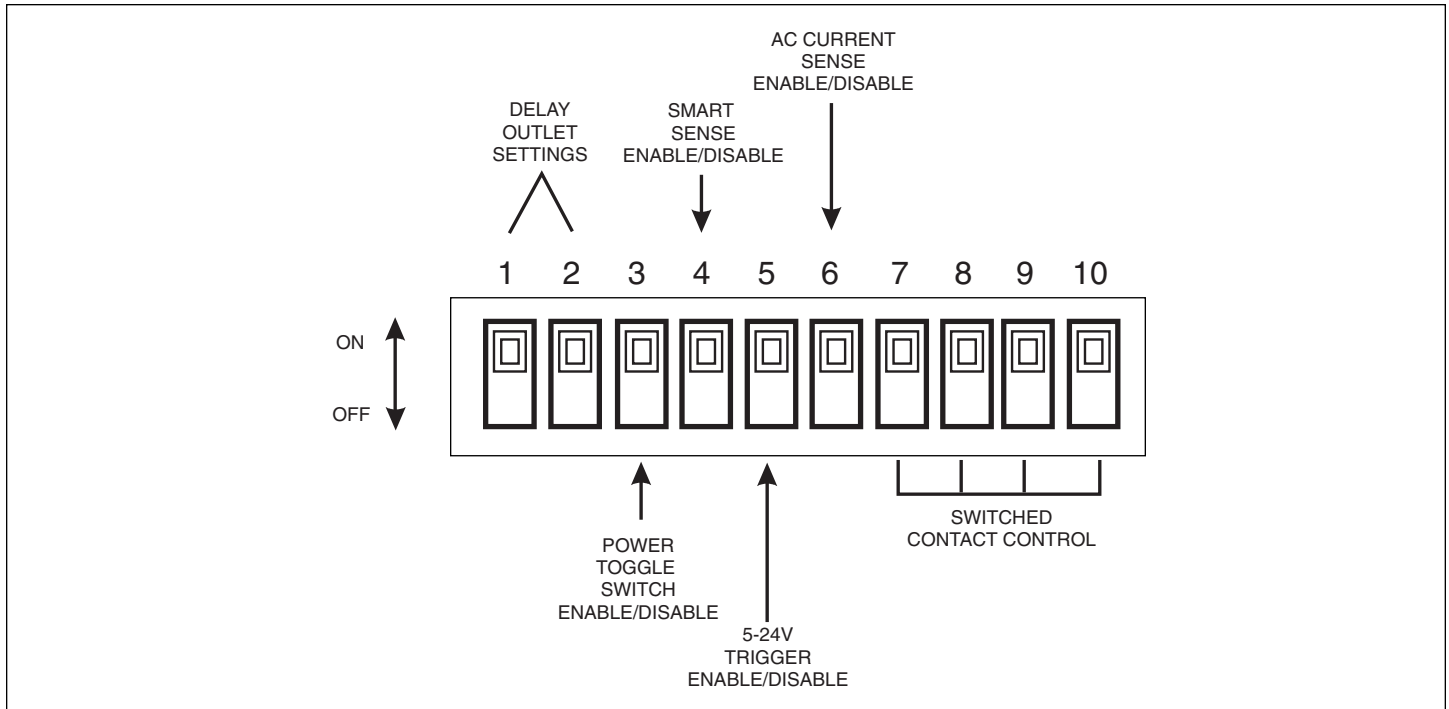
### REMOTE OUT

This Remote Output can be used to automatically turn ON or OFF any component that accepts a 12VDC trigger input. Many of today's A/V receivers have this option, as do ELAN Z•Series Power Amplifiers (Z•660/Z•300) and the ELAN Z•FAN System Cooling Module.

Remote Out ON time: Immediate

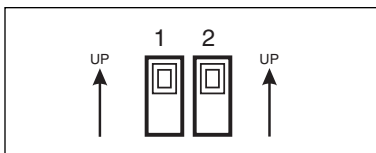
Remote Out OFF time: 8 second delay

# DIP SWITCH FUNCTIONS

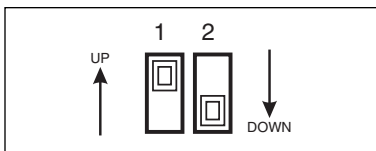


# DIP SWITCH SETTINGS

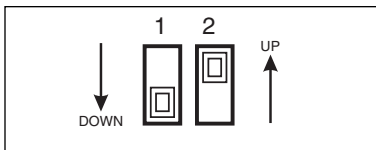
## DELAYED SWITCHED OUTLETS



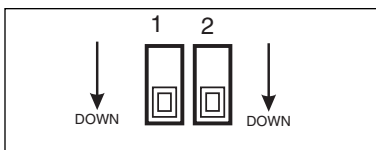
6 Second Delay (Factory Default)



8 Second Delay

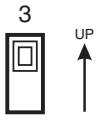


12 Second Delay

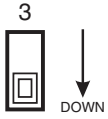


19 Second Delay

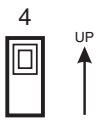
# DIP SWITCH SETTINGS



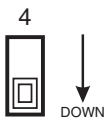
Power Toggle Switch on the front of the Z•POWER Controller will control the Switched and Delayed outlets. (Factory Default)



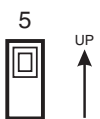
Power Toggle Switch on the front of the Z•POWER Controller will not control the Switched and Delayed outlets.



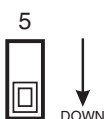
Smart Sense Input Enabled (Factory Default)



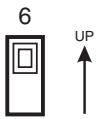
Smart Sense Input Disabled



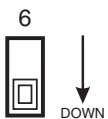
3-24V AC/DC Remote Trigger Input Enabled (Factory Default)



3-24V AC/DC Remote Trigger Input Disabled



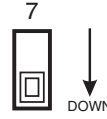
AC Current Sense for Always On Outlets 1 & 2 Enabled (Factory Default)



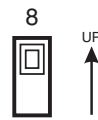
AC Current Sense for Always On Outlets 1 & 2 Disabled



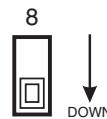
Allows front panel Power Toggle Switch to trigger Switched Contacts



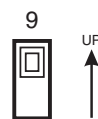
Does not allow front panel Power Toggle Switch to trigger Switched Contacts



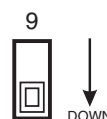
Allows the Smart Sense input to trigger Switched Contacts



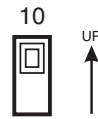
Does not allow the Smart Sense input to trigger Switched Contacts



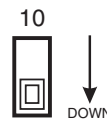
Allows the 3-24V AC/DC Remote Trigger Input to trigger Switched Contacts



Does not allow the 3-24V AC/DC Remote Trigger Input to trigger Switched Contacts



Allows AC Current Sense outlets 1 & 2 to trigger Switched Contacts



Does not allow AC Current Sense outlets 1 & 2 to trigger Switched Contacts

# HOME THEATER APPLICATIONS

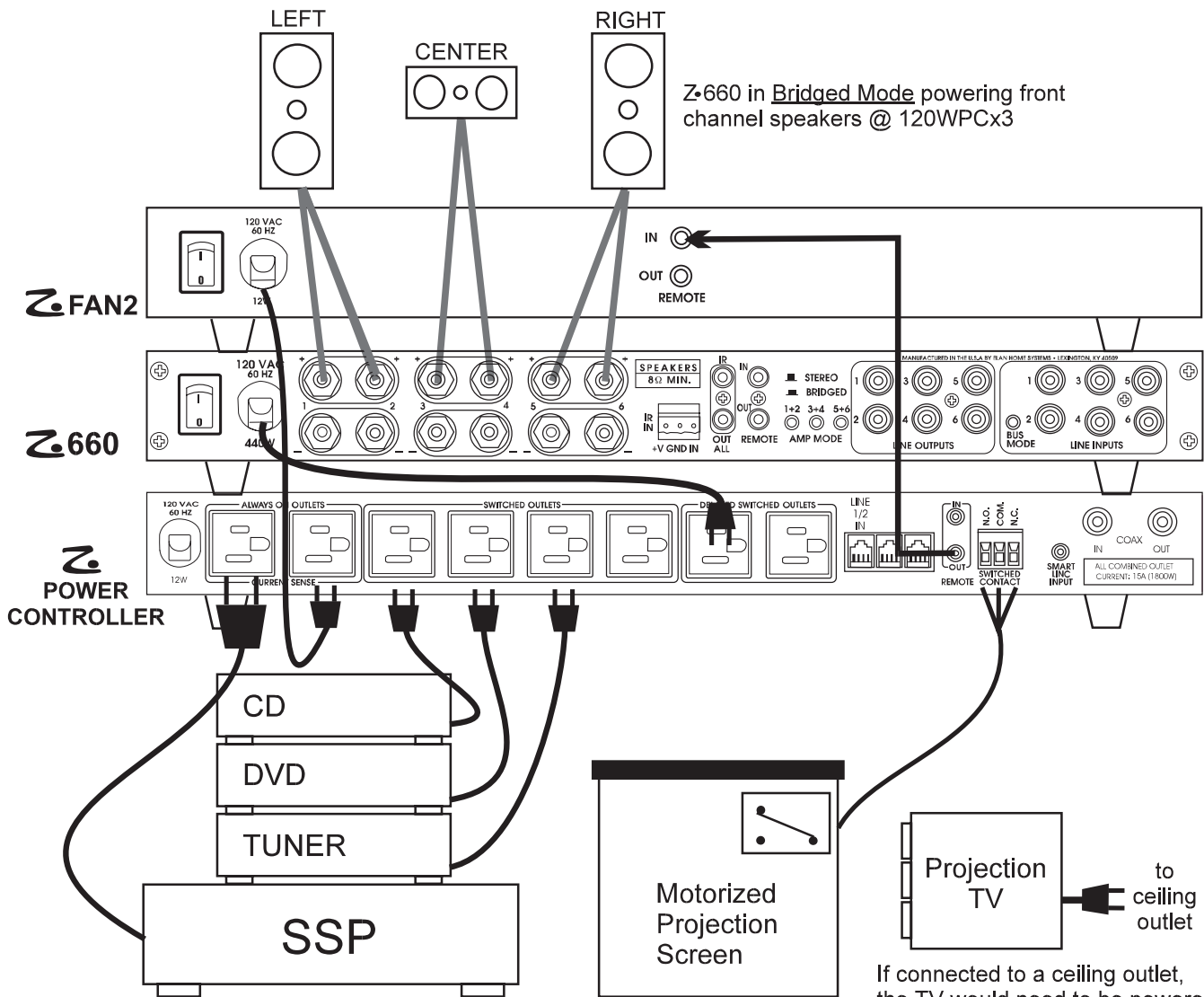
## Example 1 – Current Sense

In the scenario below, turning on the Surroundsound Processor (SSP), which is plugged into one of the Always ON AC Outlets with **Current Sense**, will automatically trigger the Z•POWER CONTROLLER's Switched Contact to lower the movie screen, turn on the Z•FAN2 via the Remote Trigger Input, and power up all the components that are plugged into the Z•POWER CONTROLLER's remaining AC outlets. Note that the Z•660 is plugged into one of the

programmable delayed outlets to eliminate any 'pops' upon power up.

When the SSP is turned off, the screen would automatically rise and all components would power down. The Z•660 would power down after the SSP, once again eliminating any 'pops'. The Z•FAN2, because it is plugged into the other Always ON AC outlet, would continue to run until its two-minute delayed shutoff has timed out.

Z•660 in Bridged Mode powering front channel speakers @ 120WPCx3



If connected to a ceiling outlet, the TV would need to be powered up independently. If connected to one of the Z•POWER CONTROLLER's Switched Outlets, the TV would power up automatically when the SSP is turned on.

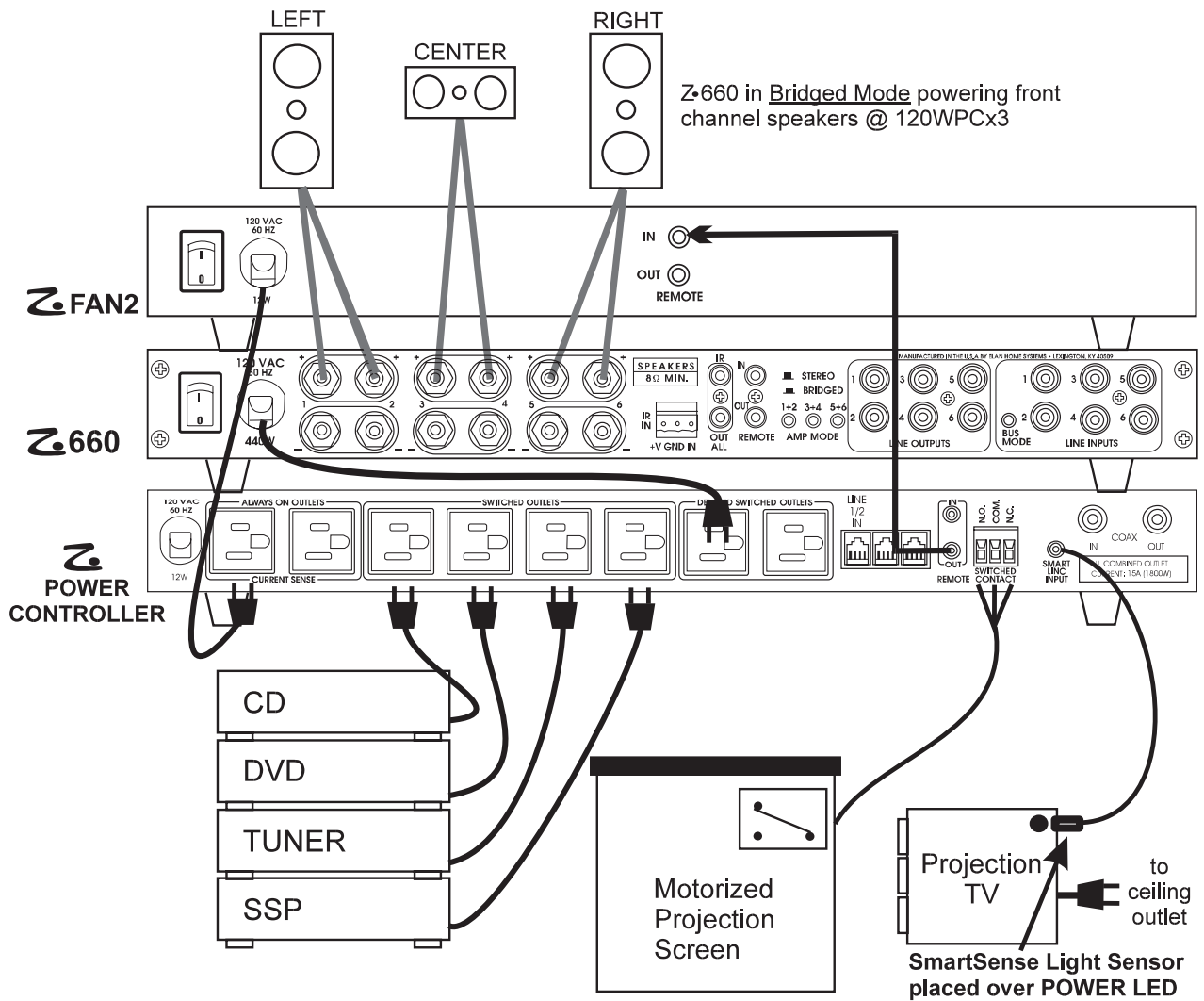
# HOME THEATER APPLICATIONS

## Example 2 – SmartSense

In this scenario, turning on the projection TV will automatically lower the movie screen and turn on all the other home theater components.

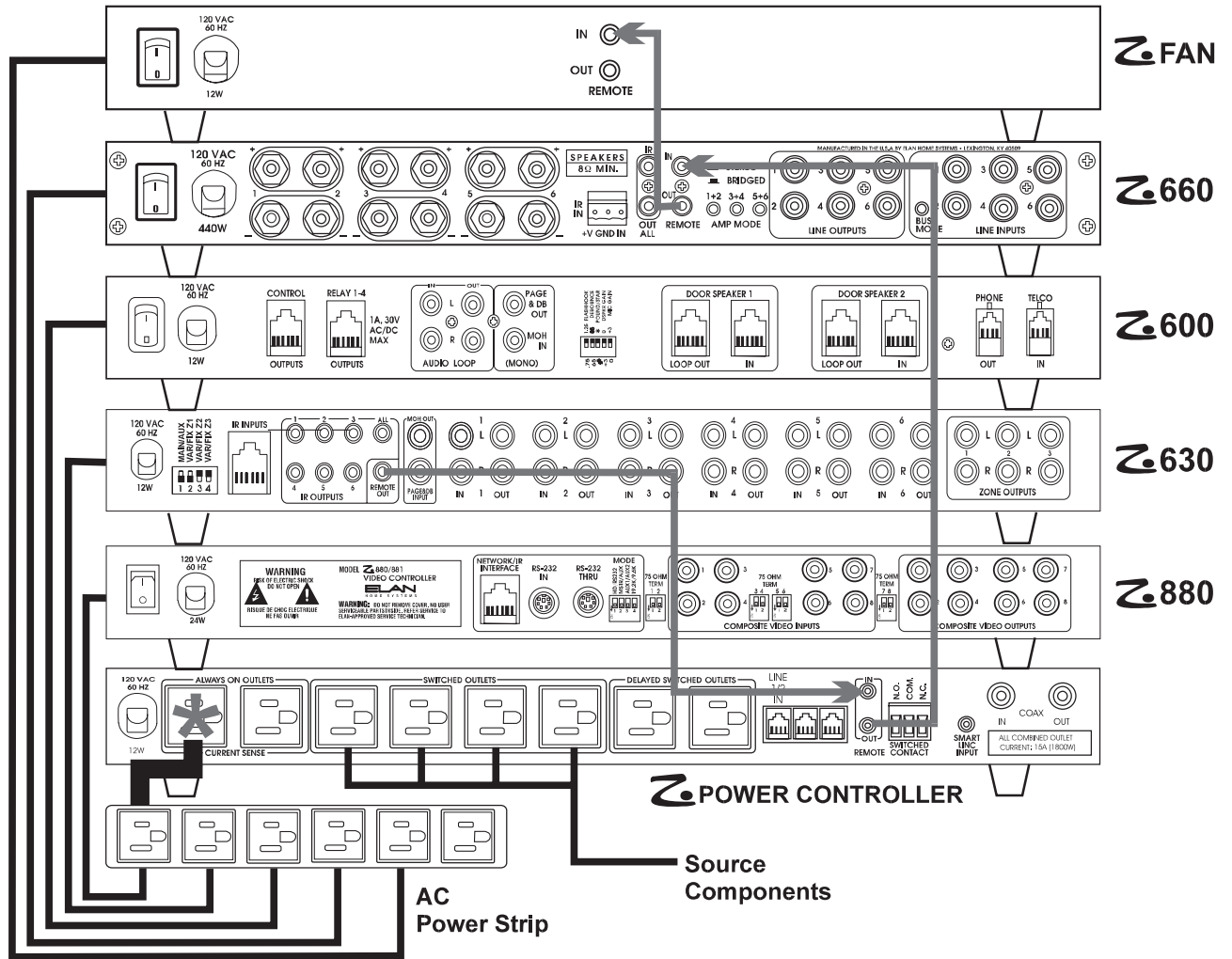
A SmartSense Light Sensor plugged into the SmartSense Input on the Z•POWER CONTROLLER detects that the TV's power LED has come on. This automatically triggers the Z•POWER CONTROLLER's Switched Contact (which is connected to the relay on the motorized screen), turns on the Z•FAN2 via the Remote Trigger and turns on all of the AC outlets.

When the projection TV is turned off, the screen would automatically rise and all components would power down. The Z•FAN2, because it is plugged into an Always On outlet, would continue to run until it's two-minute delayed shutoff has timed out.



# POWER AND REMOTE TRIGGER CONNECTIONS

## **Z** Series Components Power & Remote Trigger Connections



\* Disable Current Sense via front panel Dip Switches



# TROUBLESHOOTING GUIDE

SYMPTOM	POSSIBLE CAUSE	TROUBLESHOOTING
<p>The Z•POWER CONTROLLER will not power up (the RED Power LED does not turn on).</p> <p>The resettable front panel 15A circuit breaker keeps tripping</p>	<ol style="list-style-type: none"> <li>1. A component plugged into the Z•POWER CONTROLLER has failed</li> <li>2. The Z•POWER CONTROLLER's protection circuitry has been compromised or the Z•POWER CONTROLLER's internal 20A secondary protection circuit breaker has been tripped</li> </ol>	<ol style="list-style-type: none"> <li>1. Unplug all components from the Z•POWER CONTROLLER's AC outlets, then try resetting the 15A breaker. If the breaker resets it is probable that one of the components that had been plugged in to the Z•POWER CONTROLLER has failed.</li> <li>2. If the Z•POWER CONTROLLER still does not reset, call your authorized ELAN installer or ELAN Technical Support</li> </ol>
<p>The front panel Power switch does not turn ON/OFF the Delayed or Switched Outlets</p>	<ul style="list-style-type: none"> <li>• Dip switch #3 is in the DOWN (disabled) position</li> </ul>	<ul style="list-style-type: none"> <li>• Move dip switch #3 to the UP position</li> </ul>
<p>The SMART SENSE input does not trigger the switched AC outlets</p>	<ul style="list-style-type: none"> <li>• Dip switch #4 is in the DOWN (disabled) position</li> </ul>	<ul style="list-style-type: none"> <li>• Move dip switch #4 to the UP position</li> </ul>
<p>The REMOTE input does not trigger the switched AC outlets</p>	<ul style="list-style-type: none"> <li>• Dip switch #5 is in the DOWN (disabled) position</li> </ul>	<ul style="list-style-type: none"> <li>• Move dip switch #5 to the UP position</li> </ul>
<p>The two ALWAYS ON CURRENT SENSE outlets do not trigger the remaining AC outlets</p>	<ol style="list-style-type: none"> <li>1. The CURRENT SENSE THRESHOLD pot is set too high</li> <li>2. Dip switch #6 is in the DOWN (disabled) position</li> </ol>	<ol style="list-style-type: none"> <li>1. Adjust the CURRENT SENSE THRESHOLD pot counterclockwise</li> <li>2. Move dip switch #6 to the UP (enabled) position</li> </ol>
<p>Turning ON/OFF the Z•POWER CONTROLLER via the front panel toggle switch does not trigger the Switched Contacts</p>	<ul style="list-style-type: none"> <li>• Dip switch #7 is in the DOWN (disabled) position</li> </ul>	<ul style="list-style-type: none"> <li>• Move dip switch #7 to the UP (enabled) position</li> </ul>
<p>The SMART SENSE input does not trigger the Switched Contacts</p>	<ul style="list-style-type: none"> <li>• Dip switch #8 is in the DOWN (disabled) position</li> </ul>	<ul style="list-style-type: none"> <li>• Move dip switch #8 to the UP (enabled) position</li> </ul>
<p>The REMOTE input does not trigger the Switched Contacts</p>	<ul style="list-style-type: none"> <li>• Dip switch #9 is in the DOWN (disabled) position</li> </ul>	<ul style="list-style-type: none"> <li>• Move dip switch #9 to the UP (enabled) position</li> </ul>
<p>The two ALWAYS ON CURRENT SENSE outlets do not trigger the Switched Contacts</p>	<ul style="list-style-type: none"> <li>• Dip switch #10 is in the DOWN (disabled) position</li> </ul>	<ul style="list-style-type: none"> <li>• Move dip switch #10 to the UP (enabled) position</li> </ul>
<p>The Current Sense trigger is always ON even if the components plugged into the two Always On outlets are not powered up</p>	<ul style="list-style-type: none"> <li>• The CURRENT SENSE THRESHOLD pot is set too low</li> </ul>	<ul style="list-style-type: none"> <li>• Some components draw a small amount of current even when not turned on. Adjust the CURRENT SENSE THRESHOLD pot clockwise to increase the amount of current it takes to activate a trigger</li> </ul>
<p>The yellow "G" LED on the front of the Z•POWER CONTROLLER is lit</p>	<ul style="list-style-type: none"> <li>• The AC outlet that the Z•POWER CONTROLLER is plugged into is not grounded properly</li> <li>• The AC outlet that the Z•POWER CONTROLLER is plugged into has the Hot &amp; Neutral wires reversed</li> </ul>	<ul style="list-style-type: none"> <li>• Contact a licensed electrician</li> <li>• Contact a licensed electrician</li> </ul>
<p>The yellow "P" LED on the front of the Z•POWER CONTROLLER is lit</p>	<ul style="list-style-type: none"> <li>• It is possible that the Z•POWER CONTROLLER's protection circuitry has been damaged by incoming surge</li> </ul>	<ul style="list-style-type: none"> <li>• Contact your authorized ELAN installer or ELAN Technical Support</li> </ul>

# Limited Warranty

ELAN HOME SYSTEMS, L.L.C. ("ELAN") warrants equipment manufactured by it to be free from defects in materials and workmanship for two (2) years from the date of purchase, with the exception of speakers and volume controls, which have a ten (10) year warranty. If within the applicable warranty period above purchaser discovers such item was not as warranted above and promptly notifies ELAN in writing, ELAN shall repair or replace the items at the company's option. This warranty shall not apply (a) to equipment not manufactured by ELAN, (b) to equipment which shall have been installed by other than an authorized ELAN installer, (c) to installed equipment which is not installed to ELAN's specifications, (d) to equipment which shall have been repaired or altered by others than ELAN, (e) to equipment which shall have been subjected to negligence, accident, or damage by circumstances beyond ELAN's control, including, but not limited to, lightning, flood, electrical surge, tornado, earthquake, or any other catastrophic events beyond ELAN's control, or to improper operation, maintenance or storage, or to other than normal use of service. With respect to equipment sold by, but not manufactured by ELAN, the warranty obligations of ELAN shall in all respects conform and be limited to the warranty actually extended to ELAN by its supplier. The foregoing warranties do not cover reimbursement for labor, transportation, removal, installation, or other expenses which may be incurred in connection with repair or replacement.

Except as may be expressly provided and authorized in writing by ELAN, ELAN shall not be subject to any other obligations or liabilities whatsoever with respect to equipment manufactured by ELAN or services rendered by ELAN.

THE FOREGOING WARRANTIES ARE EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESSED AND IMPLIED WARRANTIES EXCEPT WARRANTIES OF TITLE, INCLUDING BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

# “Z•POWER” POWER CONTROLLER EXTENDED LIMITED PRODUCT WARRANTY

- I) ELAN HOME SYSTEMS, L.L.C. ("ELAN") will extend and expand the scope of the product warranty of the “Z•POWER” (shelf and rack versions) Power Controller and specified ELAN products connected to the “Z•POWER” Power Controller unit to include damage caused by lightning, transient voltage or a power surge for a period not to exceed 5 years.
- II) Only the following specified ELAN products will be protected under the scope of this warranty:
- Z•600/601 Communications Controller**
  - Z•630/631 Preamp Controller**
  - Z•660/661 Power Amplifier**
  - Z•300/301 Power Amplifier**
  - Z•12c/12cR Power Amplifier**
  - Z•880/881 Video Controller**
  - Z•FAN2/FAN2R Variable Speed System Cooling Module**
  - HDC2000 Master Control Unit Chassis**
  - HDC3000 Master Control Unit Chassis**
  - HDC1010 Dual Zone Output Card**
  - HDC1020 Quad Source Input Card**
  - HDC1030 Dual Source Input Card**
  - HDC1040 Relay Control Card**
  - HDC1090 Audio/Video Card**
  - HDC2042 Automation Control Card**
  - HDC2050 Telephone Interface Card**
  - HDC2060 Learning IR Interface Card**
  - HDC2200 Expansion Card Kit**
- III) This extended product warranty is conditional and requires the following registration action to be fulfilled by the installer and/or homeowner within 30 days of installation. The warranty period will begin on the date of installation.
- The “Z•POWER” Power Controller Extended Warranty Registration Card must be filled out correctly with all required information and submitted to ELAN Home Systems, LLC, 2428 Palumbo Drive, Lexington, Kentucky 40509. This document is reviewed for acceptance by ELAN Home Systems and failure to include any information will negate extended warranty coverage.
  - A Final Bill of Sale with all listed ELAN components must be submitted with the “Z•POWER” Power Controller Extended Warranty Registration Card and submitted to ELAN Home Systems, LLC, 2428 Palumbo Drive, Lexington, Kentucky 40509. Any mismatch of listed ELAN components on the “Z•POWER” Power Controller Extended Warranty Registration Card and the bill of sale will negate warranty coverage for the ELAN component in question.
- IV) If within the applicable extended warranty period above the purchaser discovers such item was not as warranted above and promptly notifies ELAN or the Authorized ELAN Dealer that performed the installation in writing, ELAN shall repair or replace the items at the company's option.
- V) This extended limited warranty shall not apply to:
- (a) equipment that is not listed in part II of this Extended Warranty document, to include any components that are connected to the equipment listed in part II of this warranty registration document.
  - (b) ELAN product that is currently or has been installed and operational previous to the sale and installation of a “Z•POWER” Power Controller.
  - (c) equipment not manufactured by ELAN,
  - (d) any ELAN equipment which has been installed by other than an authorized ELAN installer,
  - (e) installed equipment which is not installed to ELAN's specifications,
  - (f) equipment which has been repaired or altered by others than ELAN,
  - (g) equipment which has been subjected to negligence, accident or damage by circumstances beyond ELAN's control, including, but not limited to, flood, tornado, earthquake, or any other catastrophic events beyond ELAN's control, or to improper operation, maintenance or storage, or to other than normal use of service.
- VI) The foregoing warranties do not cover reimbursement for labor, transportation, removal, installation, or other expenses which may be incurred in connection with repair or replacement.
- Except as may be expressly provided and authorized in writing by ELAN, ELAN shall not be subject to any other obligations or liabilities whatsoever with respect to equipment manufactured by ELAN or services rendered by ELAN.
- THE FOREGOING EXTENDED WARRANTIES ARE EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESSED AND IMPLIED WARRANTIES EXCEPT WARRANTIES OF TITLE, INCLUDING BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

# EXTENDED PRODUCT WARRANTY REGISTRATION

This form must be completed in full and submitted to ELAN Home Systems within 30 days of the installation of the Z•POWER CONTROLLER and all associated ELAN components that are to be covered under this extended warranty. All information is REQUIRED. Failure to include any information will negate the extended warranty.

**DEALER INFORMATION (REQUIRED.)**

NAME:

ADDRESS:

PHONE #:  FAX#:  EMAIL:

**HOMEOWNER INFORMATION (REQUIRED.)**

NAME:

ADDRESS:

PHONE#:

**SYSTEM INFORMATION (REQUIRED.)**

DATE OF INSTALLATION:  Z•POWER CONTROLLER SERIAL #:

**Z•SERIES COMPONENTS** (list each component & serial # separately. Do not include Z•PADs or VIA64 Touch Panels)

MODEL #	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
SERIAL #	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

**HD SERIES COMPONENTS**

	MAIN CHASSIS	AUX CHASSIS (if applicable)
MASTER CONTROL UNIT CHASSIS SERIAL #(s) (located on bottom of MCU)	<input type="text"/>	<input type="text"/>

Each card in the MCU must be listed separately. Serial #'s for each card are located on the component side of the card on a small white adhesive label. Only the last 6 digits of the serial # are needed, i.e. XXXXXX/123456.

HDC1020 QUAD SOURCE INPUT CARDS	<input type="text"/>	<input type="text"/>	<input type="text"/>			
HDC1030 DUAL SOURCE INPUT CARDS	<input type="text"/>	<input type="text"/>	<input type="text"/>			
HDC1010 DUAL ZONE OUTPUT CARDS	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
HDC1090 AV/CARDS	<input type="text"/>	<input type="text"/>	<input type="text"/>			
HDC2060 IR INTERFACE CARD	<input type="text"/>					
HDC2042 AUTOMATION CONTROL CARD	<input type="text"/>	HDC1040 RELAY CONTROL CARD	<input type="text"/>			
HDC2050 TELEPHONE INTERFACE CARD	<input type="text"/>					
HDC2200 EXPANSION CARD KIT	<input type="text"/>	<input type="text"/>				
	MAIN	AUX				

ONCE COMPLETED IN FULL, MAIL THIS FORM WITH FINAL BILL OF SALE TO:  
**ELAN HOME SYSTEMS • 2428 PALUMBO DRIVE**  
**LEXINGTON, KY • 40509 • ATTENTION: Z•POWER WARRANTY PROGRAM**