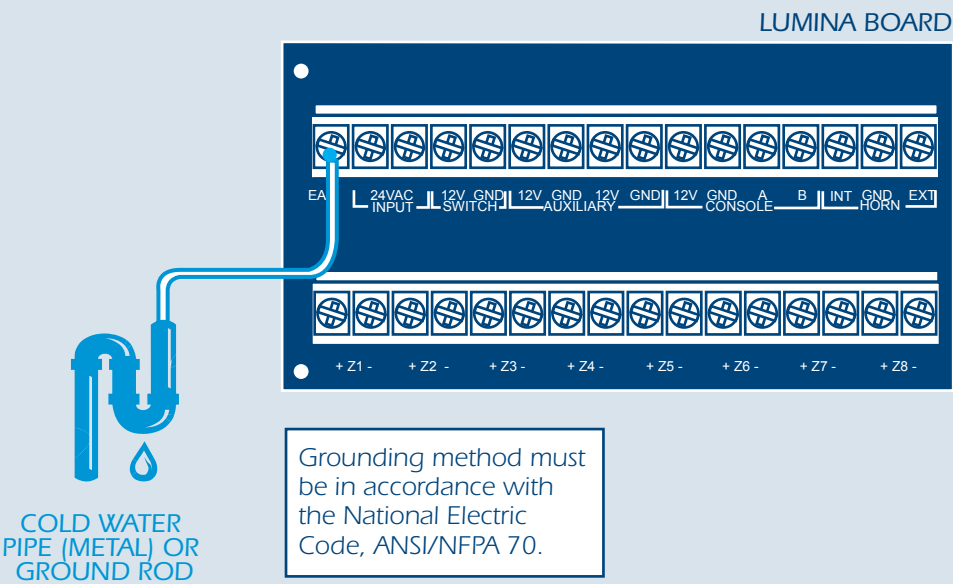




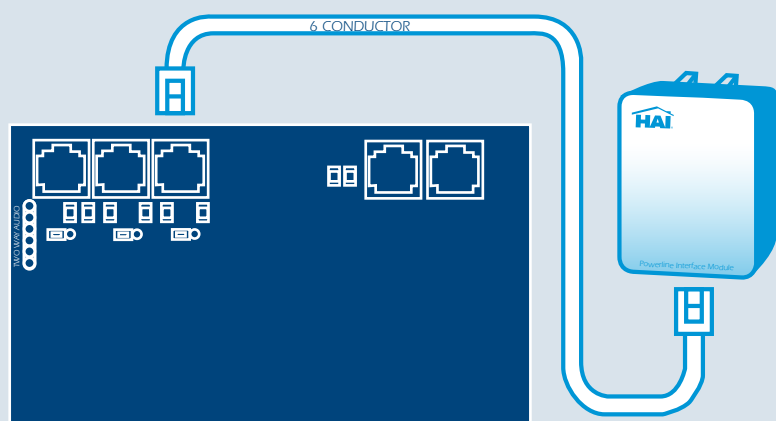
1. GROUND THE LUMINA CONTROLLER

Ground the Lumina controller's "Earth Ground" terminal to a cold water pipe or to a 4-foot ground rod to preserve its built-in transient protection. Use 14 gauge wire. Transient protection will not work if the controller is not properly grounded.



2. CONNECT THE POWERLINE INTERFACE MODULE (PIM) TO THE LUMINA

Locate the supplied PIM (P/N: 36A00-1). Plug the PIM into a 120 VAC outlet. Plug one end of the supplied 6-conductor modular cable into the connector marked "J3" (SERIAL 3) on the Lumina controller and plug the other end into the modular connector on the PIM as shown.



3. INSTALL THE LUMINA KEYPAD

a) Connect the supplied keypad (P/N: 33A00-19) using the supplied 6' Keypad Cable (P/N: 11A02-2) as follows:

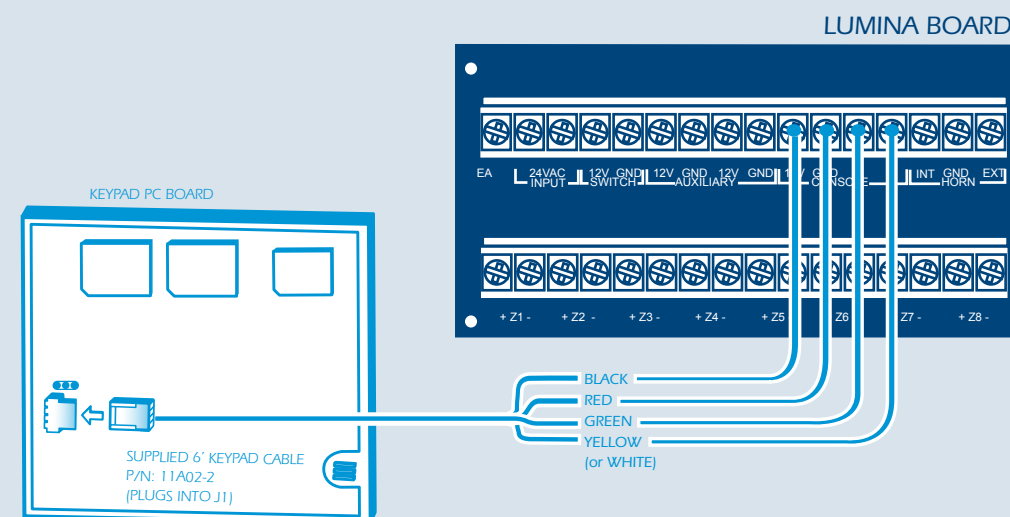
11A02-2 Cable	Lumina Controller
RED	CONSOLE 12V
BLACK	CONSOLE GND
YELLOW or WHITE	CONSOLE A
GREEN	CONSOLE B

b) Remove the keypad from the back plate by gently prying the unit open with a screwdriver.

c) Mount the back plate to the wall. Mounting holes are designed to fit on a single or double gang box, or directly to the wall.

d) Plug the cable into the connector on the keypad Printed Circuit Board (J1) as shown.

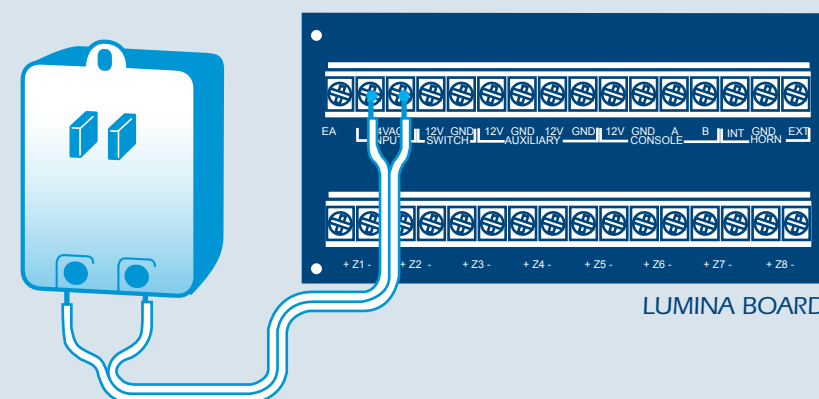
e) Snap the console face on to the back plate. Remove protective film from the LCD lens.



4. CONNECT THE POWER TRANSFORMER

a) Connect the supplied 24V, 40VA Power Transformer using the supplied Power Cable (P/N: 44A07-1).

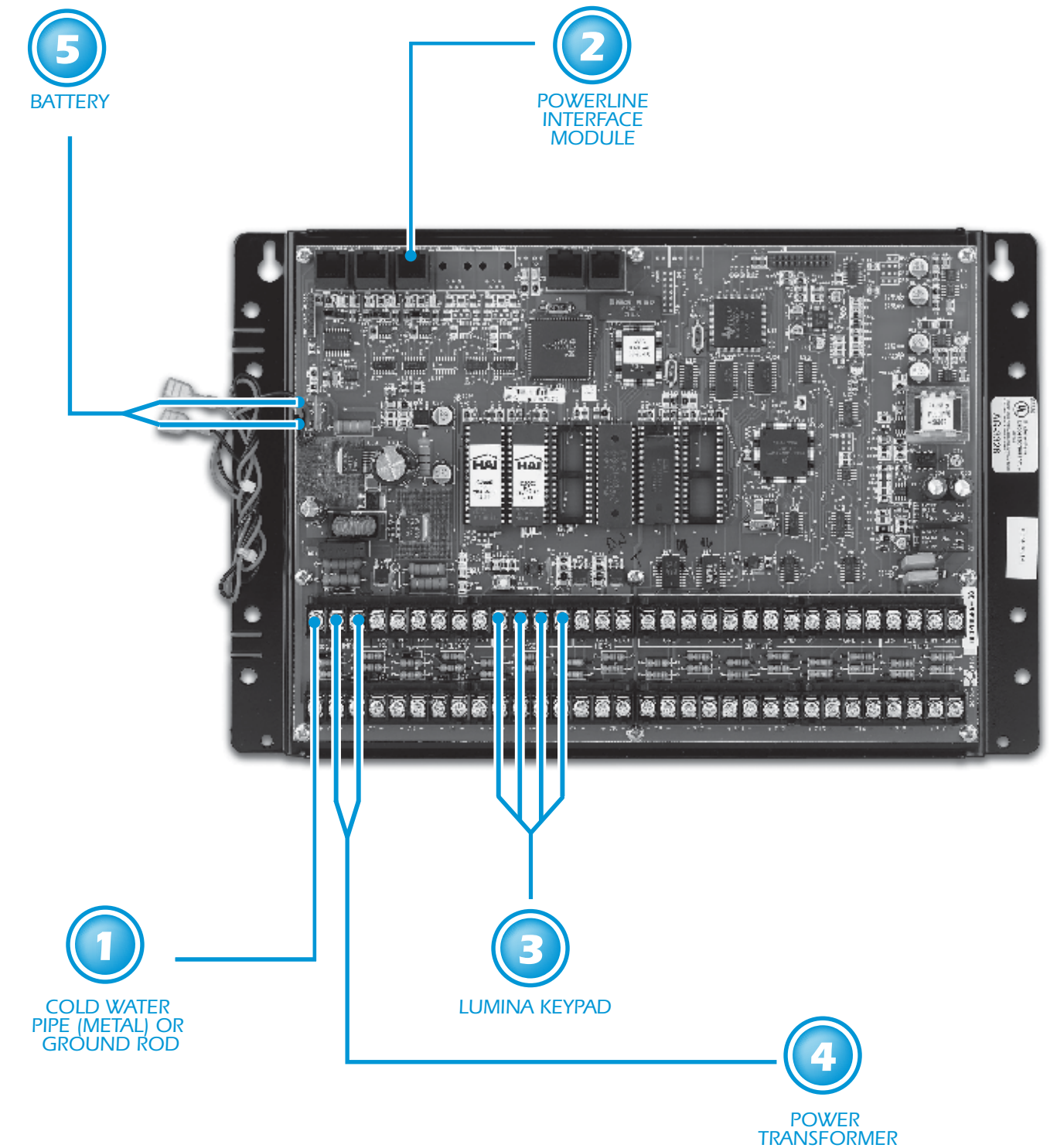
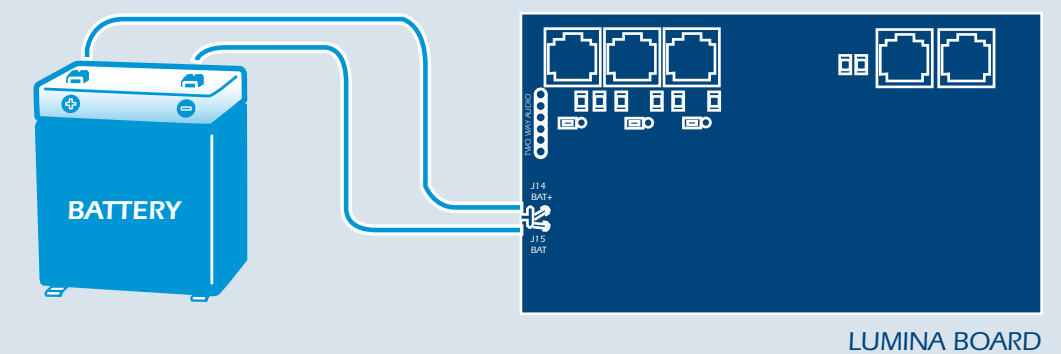
b) Plug the Power Transformer into a 120 VAC outlet. - The "AC ON" LED (D25) should illuminate. - Within one minute, the "STATUS" LED (D24) should begin blinking at a rate of 1 blink per second.



5. CONNECT THE BATTERY

Unplug the Power Transformer to shut down the controller. Connect the black battery wire to the - (negative) battery terminal of the supplied battery. Connect the red battery wire to the + (positive) battery terminal. The controller should not start.

- Plug in the Power Transformer. The system should start.
- Unplug the Power Transformer. The system should continue to run on the battery (the "STATUS" LED will continue to flash).
- Plug the Power Transformer back in and secure it to the outlet.





SETUP

Press 9 on the keypad. Upon entry to the Setup mode, you will first be prompted to enter a valid 4 digit code.

SET UP ENTER CODE: The default is 1111

SET THE TIME AND DATE

Press 2 on the keypad. You will be prompted to enter the new time and date. AM/PM must be specified for the time if that format is being used, otherwise the entered time should be 13:00-23:59. Press # to confirm.

TIME: HHMM↑ =AM ↓ =PM
DAYLIGHT SAVINGS TIME? 0=NO 1=YES
 (Next you are prompted to enter the date. If the current date is February 8, 2006, enter it as "0 2 0 8 0 6".)
ENTER DATE: MMDDYY

ASSIGN A NAME TO HLC LIGHTING DEVICES

For additional information please review Appendix A "Understanding HLC" and have completed the worksheet(s) in Appendix B "HLC Planner" in the installation manual.

You **SHOULD** assign a name to the following HLC devices:

- Name the Room Controllers that reside on the 1st unit in each Room (i.e. Unit 1, 9, 17, 25, etc.)
- Name all of the Lighting Loads (Dimmers and Switches) in each Room

You **SHOULD NOT** assign a name to the following HLC devices:

- ⊗ Do not name Room Controllers that reside between the 2nd and 7th unit in a Room
- ⊗ Do not name House Controllers that reside on the 8th unit in a Room

You should assign a name to each HLC lighting device (as described above) before you configure it. Lumina has a list of names for you to select from. To name the HLC devices, from the Setup menu, press the 7 (NAMES) key:

UNIT 1: 00-95 #=LIST	- Press the ' #' key to display a list of names that are stored in the controller. Each name in the list is displayed on the bottom line of the display.
-------------------------	--

UNIT 1: Basement	- When using the list of names, the following should be observed:
---------------------	---

1. The first item in the list is blank. This is used to delete an existing name for the respective Unit Number.
2. The list is in alphabetical order.
3. If the Unit Number is the 1st unit in a Room (i.e. Unit 1, 9, 17, 25, etc.), the list will start with Room names.
4. In the Unit Number is between the 2nd and 8th unit in a Room, the list will start with Lighting Load names.

Use the up arrow (↑) and down arrow (↓) keys to scroll through the list of available names for the device. When appropriate name appears, press the ' #' key to select that name for the device. The name now appears next to the Unit designation:

UNIT 1: Living Room 00-95 #=LIST	Once the name is selected for the specified Unit, press the down arrow key to name the next unit.
-------------------------------------	---

DELETE A UNIT NAME

To delete an existing name, from the Setup menu, press the 7 (NAMES) key. Use the up arrow (↑) and down arrow (↓) keys to scroll through the list of existing names. When the Unit Number or name appears that you wish to delete, press the ' #' key:

UNIT 7: Table Lamp 00-95 #=LIST ↓	Press the ' #' key to display a list of names that are stored in the controller. The first name is actually blank:
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UNIT 7: Table lamp	Simply press the ' #' key to delete the name.
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UNIT 7: 00-95 LIST ↓	
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CONFIGURING HLC DEVICES

- For additional information please review Appendix A "Understanding HLC" and have completed the worksheet(s) in Appendix B "HLC Planner" in the installation manual.

- When configuring HLC devices using the Lumina keypad, you can configure the device by selecting the name of the device from the list of named units, or by entering the Unit Number of the device followed by the ' #' key.

STEP 1

On the Lumina keypad, from the top-level display, press 6 (STATUS), and then press 1 (CTRL). The first named unit is displayed: Living Room STATUS: OFF

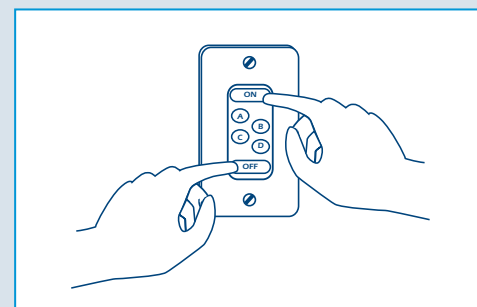
STEP 2

Configuring Room Controllers

If the named unit is a Room Controller, go to the specified HAI UPB™ 6-Button Room Controller and put it in Setup mode as follows:

Step Operation

1. Press and hold the "ON" and "OFF" pushbuttons simultaneously for at least 3 seconds.
2. All of the LED indicators will blink to indicate that the HAI UPB™ 6-Button Room Controller is in Setup Mode. Note: The HAI 6-Button Room Controller will automatically exit Setup mode after 5 minutes. To manually exit Setup mode, press and hold the "ON" and "OFF" pushbuttons simultaneously for at least 3 seconds.



Back at the Lumina keypad, press ' ### '. The display shows:

CONFIGURE Living Room STARTING	The display will provide you with step-by-step configuration status. When complete, the display shows:
CONFIGURE Living Room COMPLETED	Once completed, press the ' * ' key to return to the Status display.

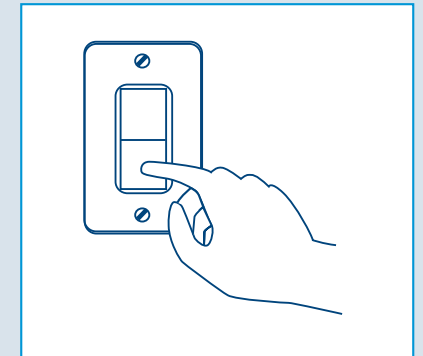
STEP 3 Configure Unnamed Room Controllers

Room Controllers that reside between the 2nd and 7th unit in a Room should be unnamed. To configure a Room Controller between the 2nd and 7th unit in a Room, enter its Unit Number followed by the ' #' key.

STEP 4 Configuring Lighting Loads

Press the down arrow to display the next named device.

If the named unit that is displayed is a Lighting Load (i.e. Dimmer or Switch), go to the specified HAI UPB™ Wall Dimmer or Switch and put it in Setup mode as follows:



Lighting Load Setup

Step Operation

1. Tap the rocker switch quickly 5 times.
2. The HAI UPB™ Wall Dimmer or Switch will flash the lighting load one time and blink its LED blue to indicate that it is in Setup Mode.

NOTE: The switch will automatically exit Setup mode after 5 minutes. To manually exit Setup mode, tap the switch quickly 2 times.

Back at the Lumina keypad, press ' ### '. The display shows:

CONFIGURE -Cans STARTING	The display will provide you with step-by-step configuration status. When complete, the display shows:
CONFIGURE -Cans COMPLETED	Once completed, press the ' * ' key to return to the Status display.

Once completed, press the ' * ' key to return to the Status display:

STEP 5

Press the down arrow to display the next named device. Using the worksheet(s) as a guide, configure all named units as described in Step 2 and Step 3.