

# Integration with Lutron Lighting Control Systems

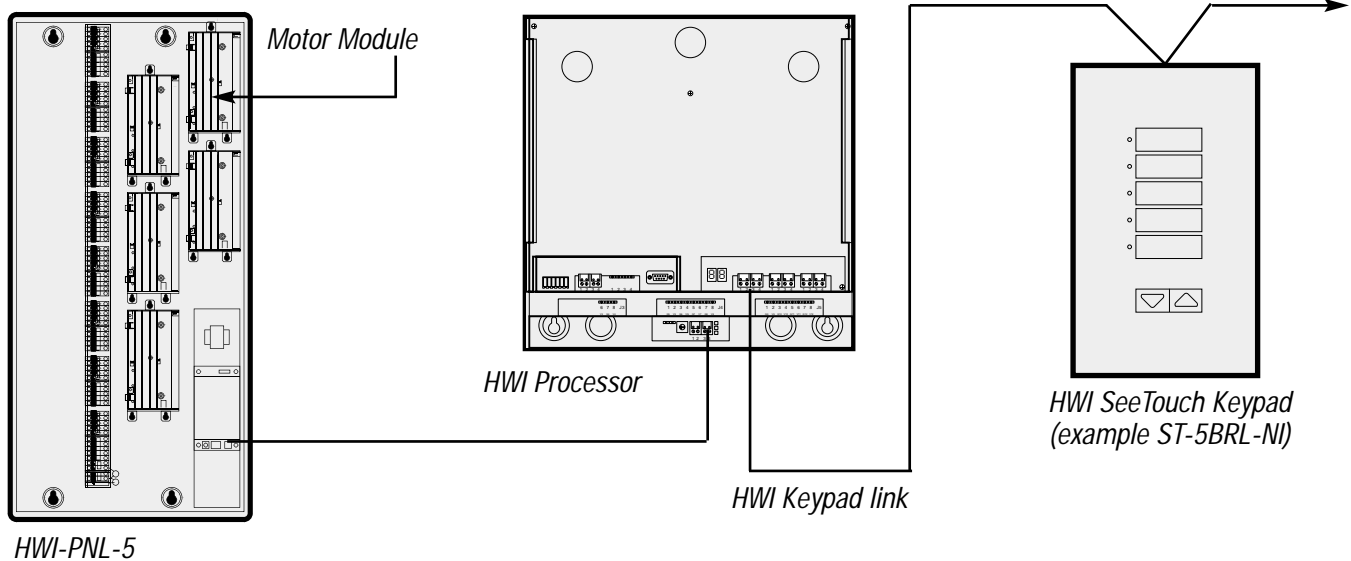
# Lutron Lighting Control System Overview

**HomeWorks Interactive™:** Lutron's premiere residential whole-home lighting controls system. HomeWorks Interactive is a processor-based, fully-customizable control system for homes of any size. Lighting loads, motorized window treatments and other components are organized into scenes and automated functions to create a fully responsive, aesthetically pleasing environment for any home owner. Artificial lighting and natural light can be integrated seamlessly to maximize efficiency and beauty.

**GRAFIK™ Systems:** Preset scene controls for lighting and window treatments For residential and commercial applications of any scale, from single room to entire campus. The GRAFIK Eye® lighting control is Lutron's signature wallstation in the commercial market. Recall and program preset scenes as easily as programming a car stereo.

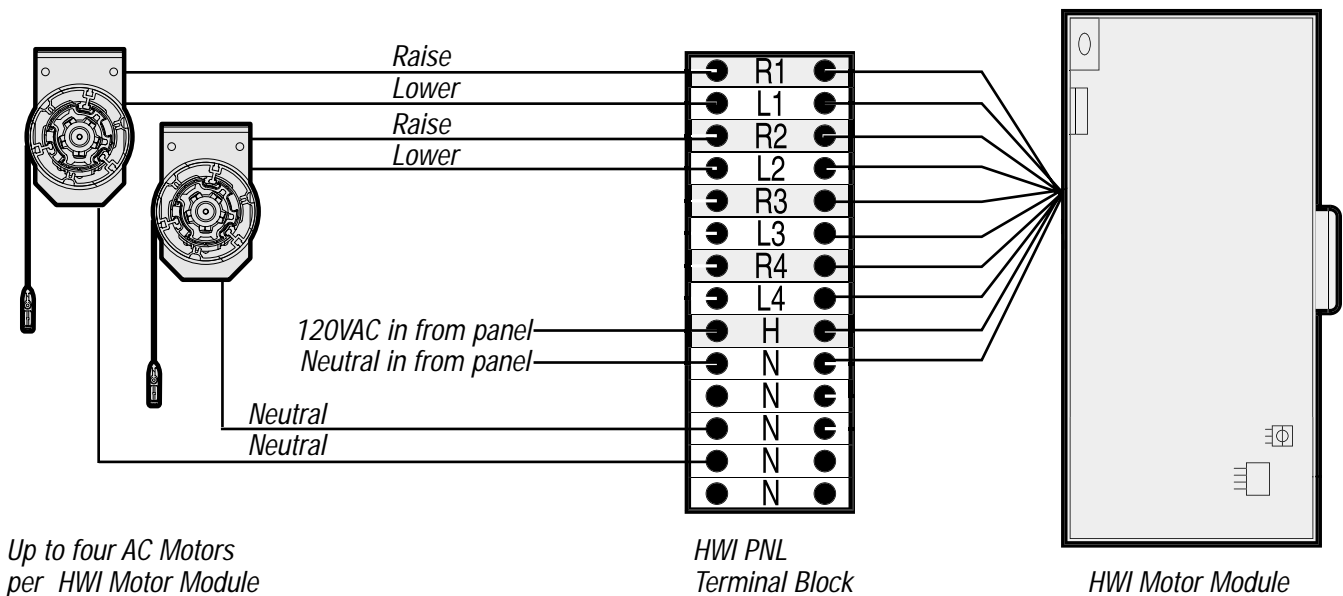
**RadioTouch™:** A radio-frequency based, entire-room lighting control system for commercial applications. Ideal for classrooms or presentation spaces and centered around simple-to-use controls. RadioTouch offers tabletop and wall-mounted controls for virtually every combination of natural and artificial light.

# Wiring Integration HomeWorks Interactive™ and AC Motors



Homeworks Interactive™ is a processor-based control system which employs motor modules to distribute line voltage and control signal to AC motors.

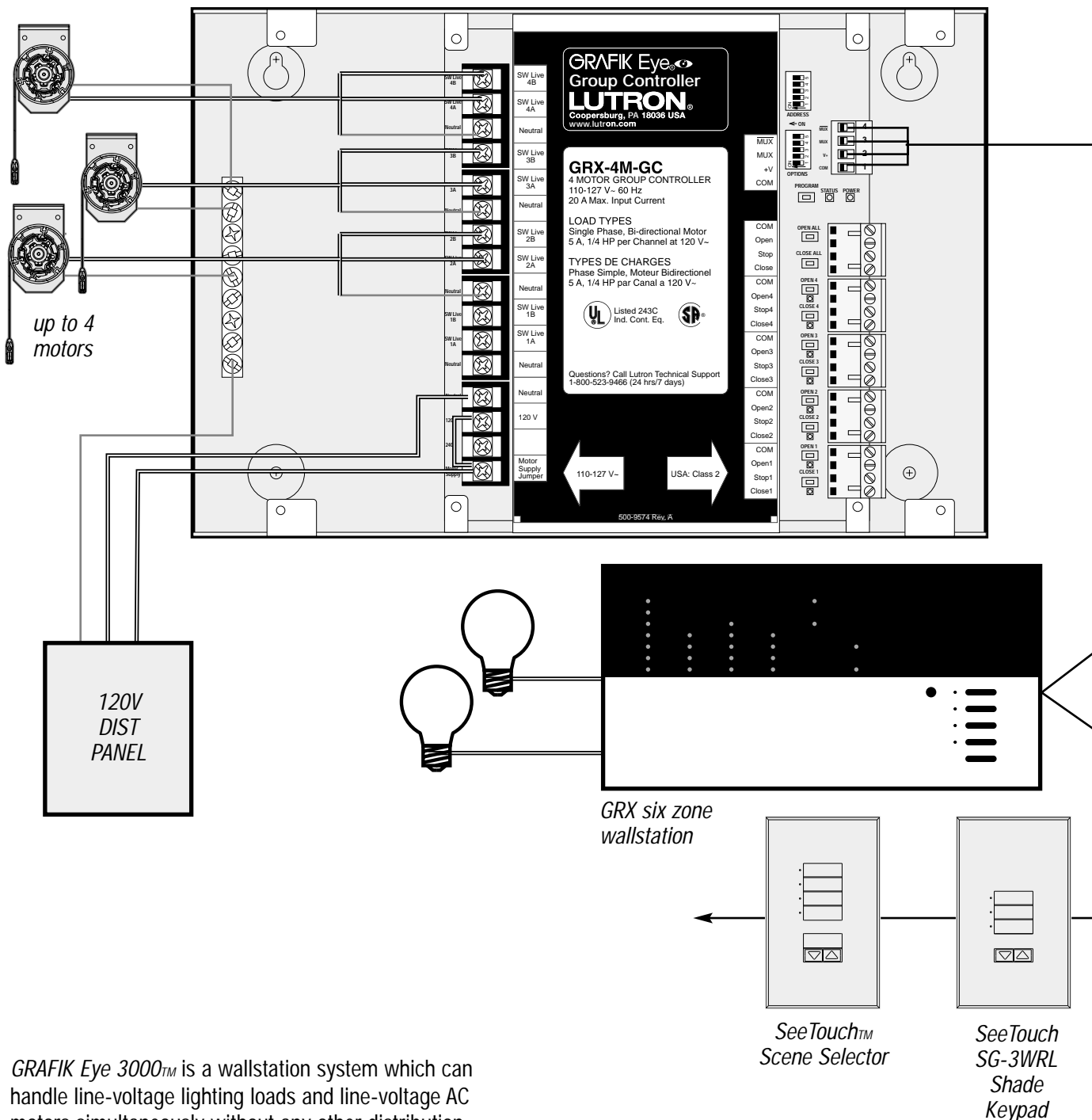
## MOTOR MODULE WIRING DETAIL



# Wiring Integration GRX 3000 and AC Motors

## GRX 3000

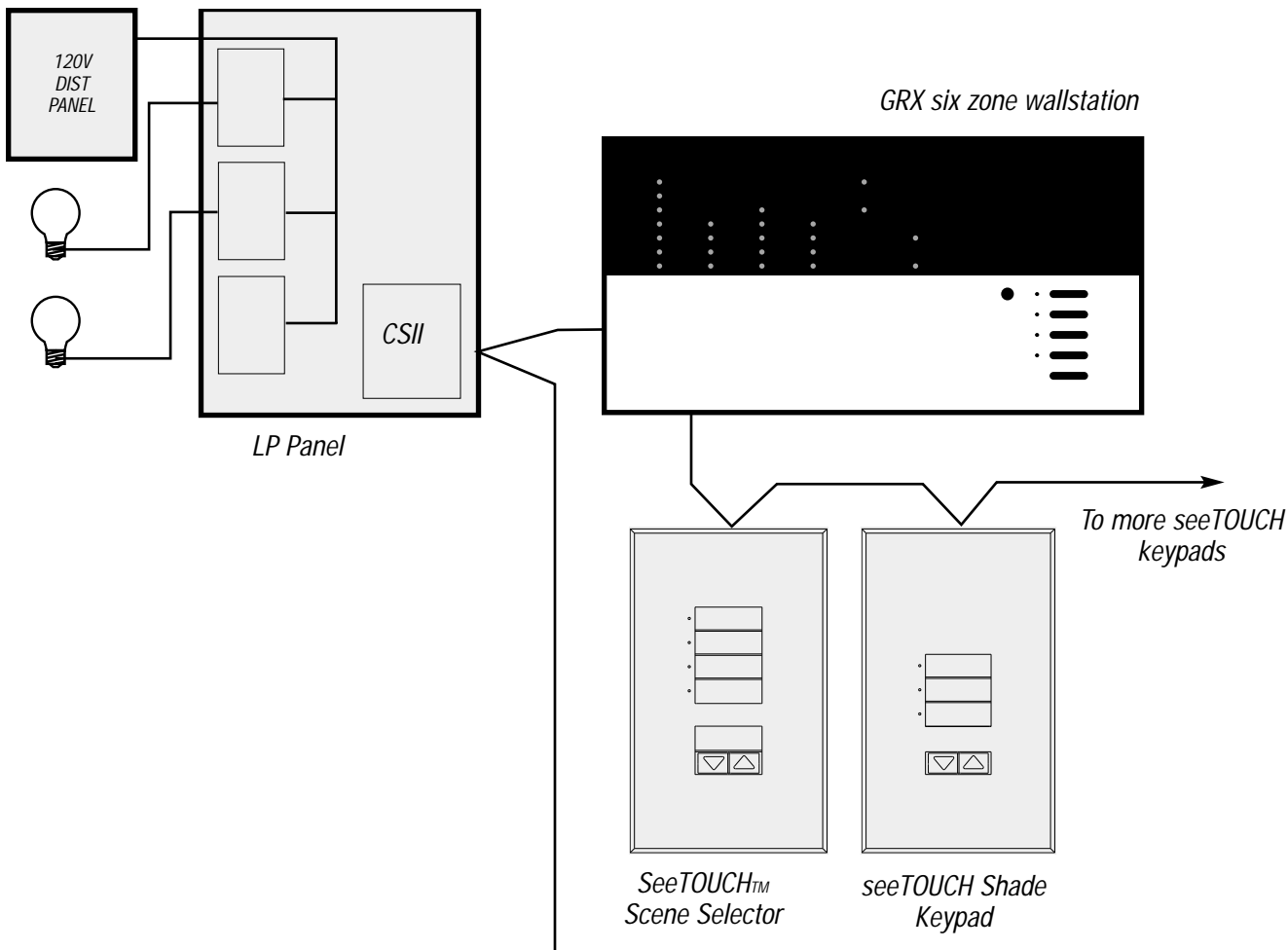
INTEGRATION



GRAFIK Eye 3000™ is a wallstation system which can handle line-voltage lighting loads and line-voltage AC motors simultaneously without any other distribution panels or transformers. SeeTouch™ scene selectors can be used to activate the GRAFIK Eye scenes from secondary locations and SeeTouch shade keypads can send commands to the AC motors on the link.

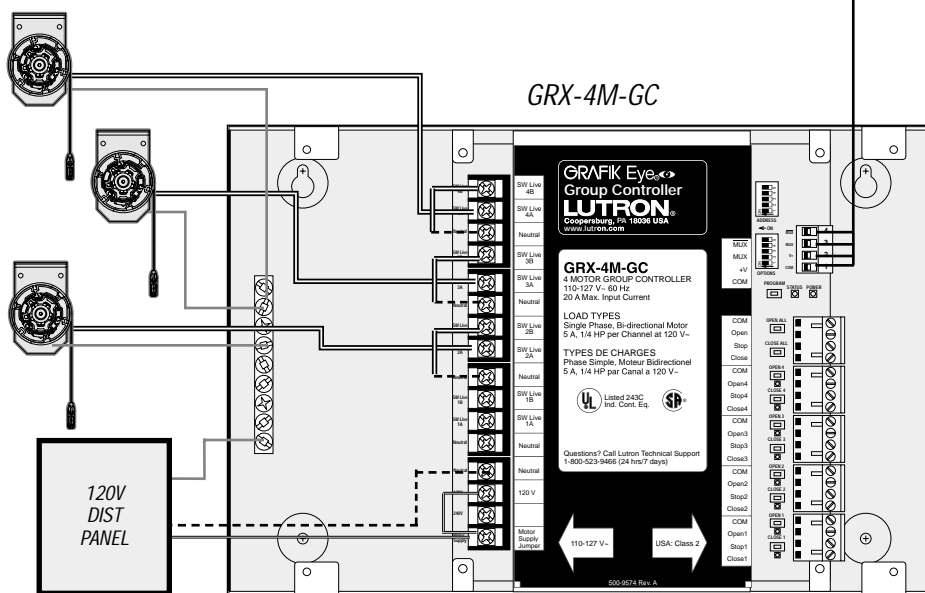
# Wiring Integration GRX 4000 and AC Motors

## OPTION 1: USING GRX GROUP CONTROLLERS



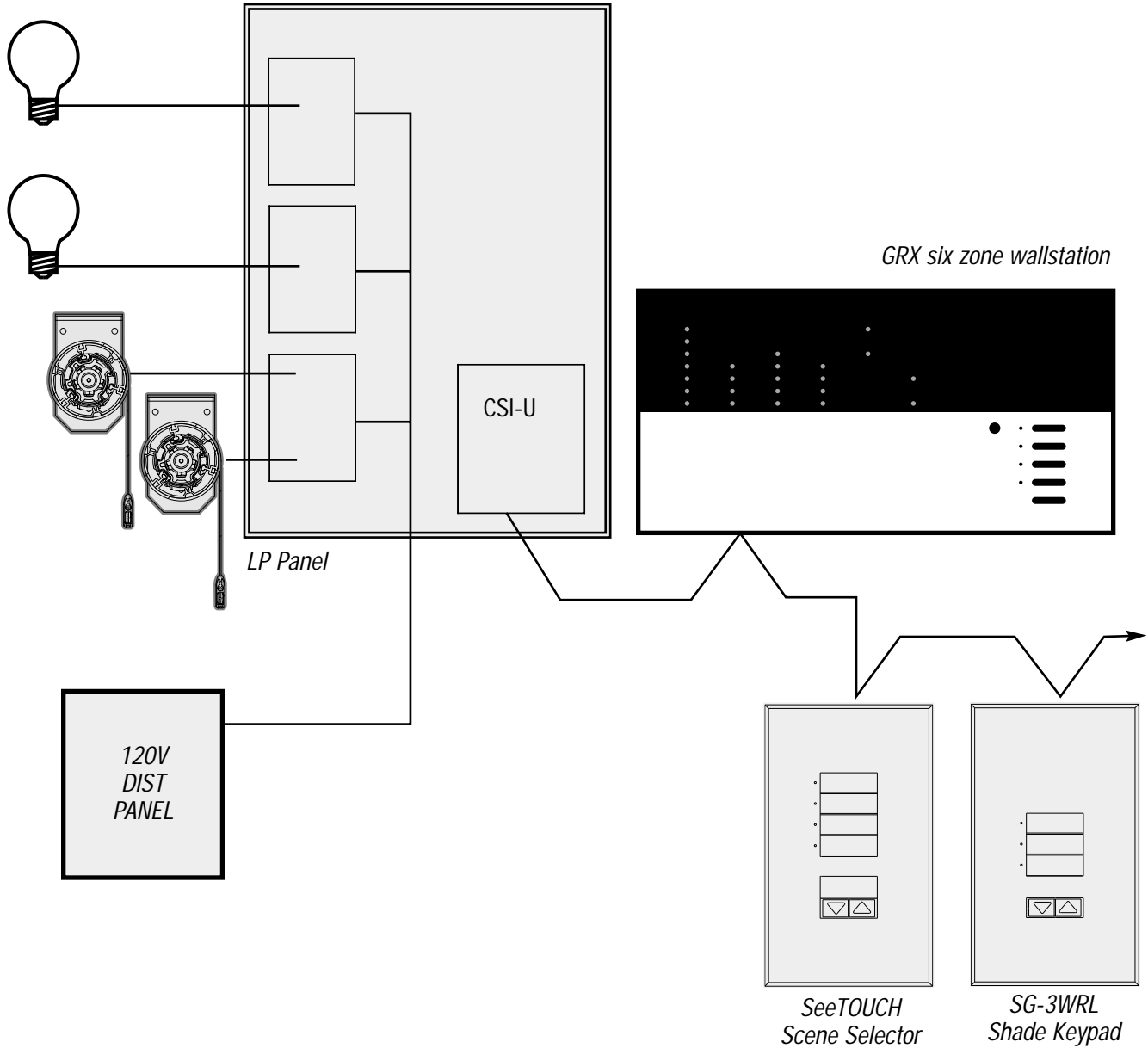
GRAFIK Eye 4000™ utilizes a GP panel to handle the line-voltage wiring and communications to allow for greater application of the system. The wallstation is a low-voltage device. Group controllers may be used in a GRAFIK 4000 system to control up to 32 AC motors off a single wallstation.

Use of group controllers is recommended when the GRAFIK 4000 system interfaces with building management systems by other manufacturers.



# Wiring Integration GRX 4000 and AC Motors

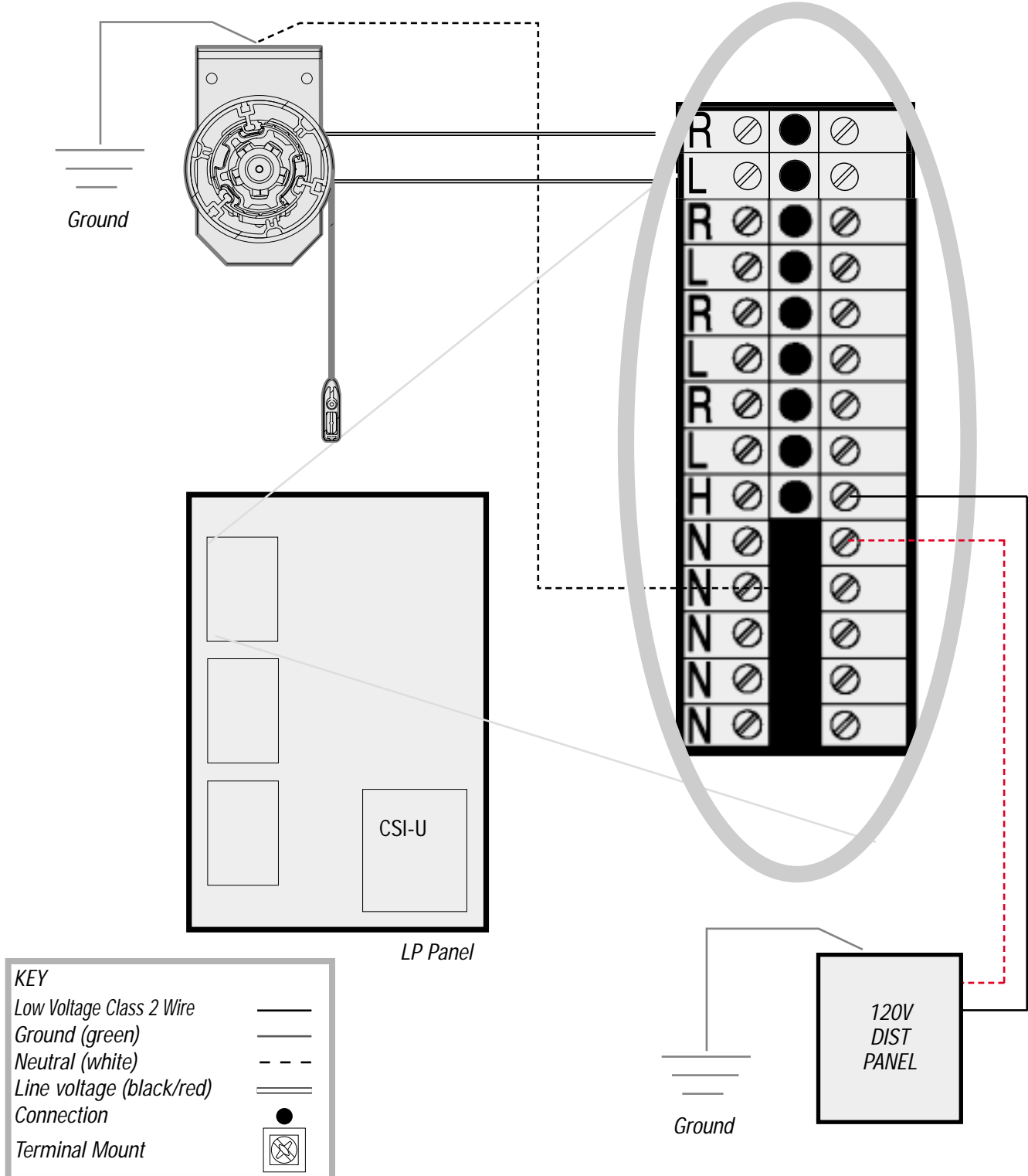
## OPTION 2: NO GROUP CONTROLLERS



GRAFIK Eye 4000™ utilizes a GP panel to handle the line-voltage wiring and communications to allow for greater application of the system. The wallstation is a low-voltage device.

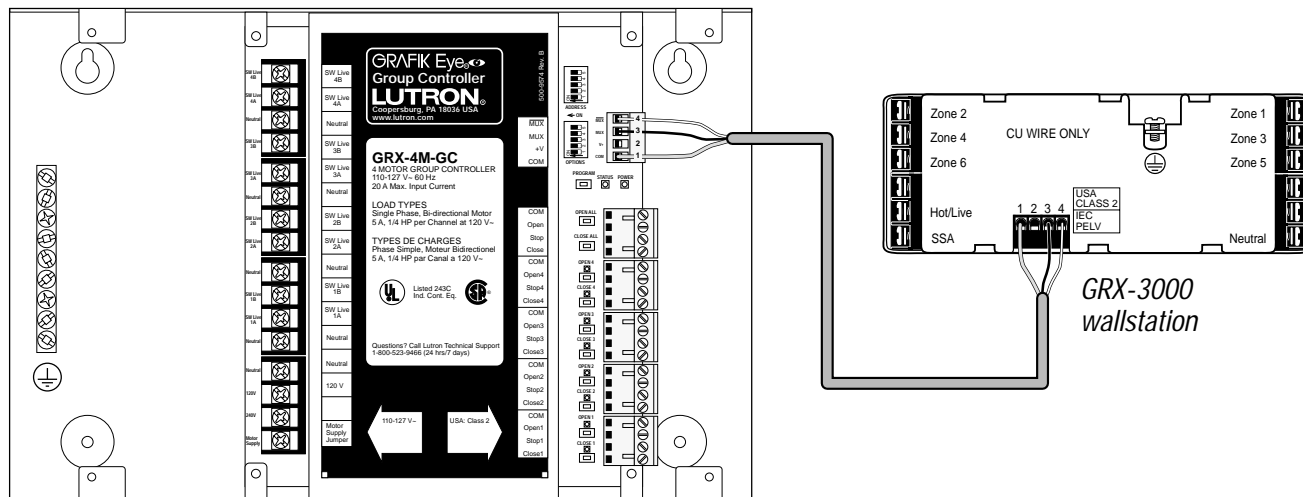
# Wiring Integration GRX Combination Power Panel Detail 1

## LOAD WIRING FOR 3-WIRE AC MOTOR



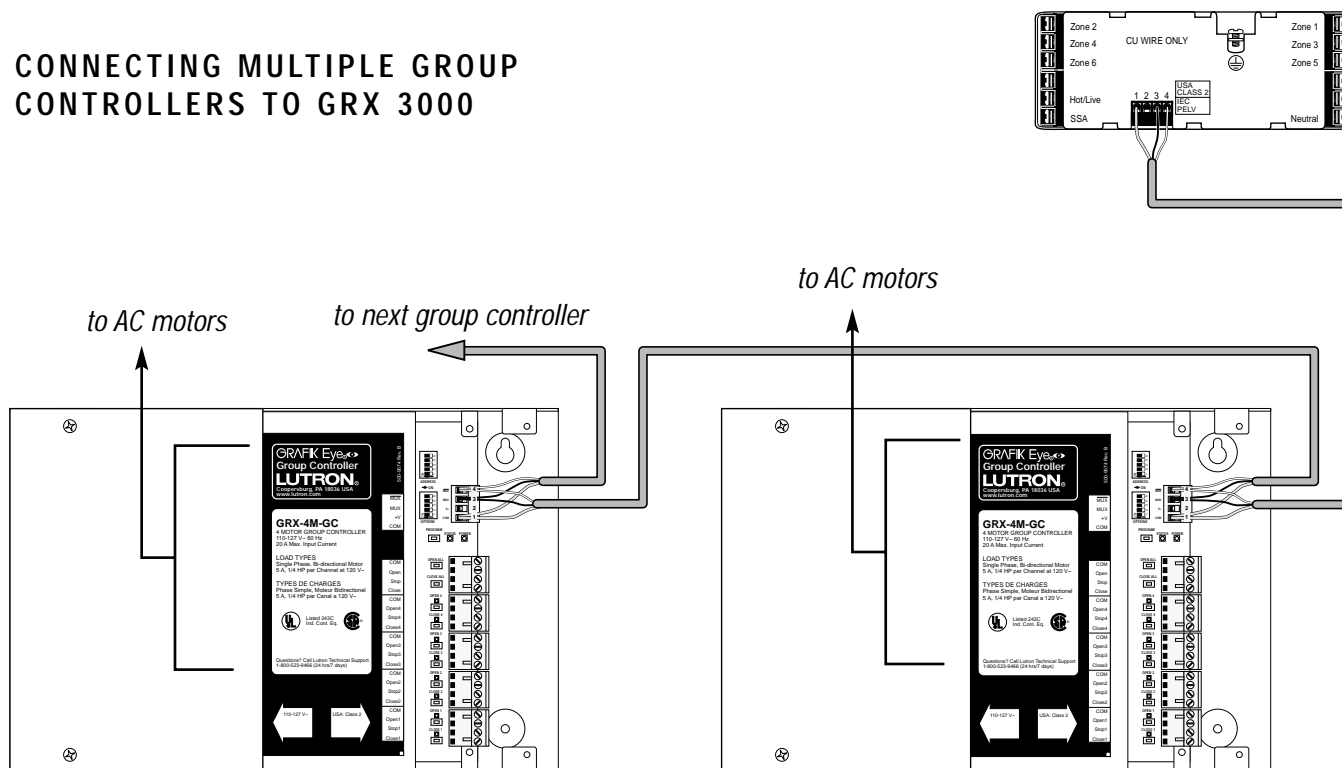
# GRX 3000 Detail 2

## LOW-VOLTAGE GROUP CONTROLLER TO GRX 3000 CONTROL UNIT



This detail shows how a *Lutron* group controller is wired to a GRX-3000 wallstation. It also shows how to link group controllers to provide control of more AC motors.

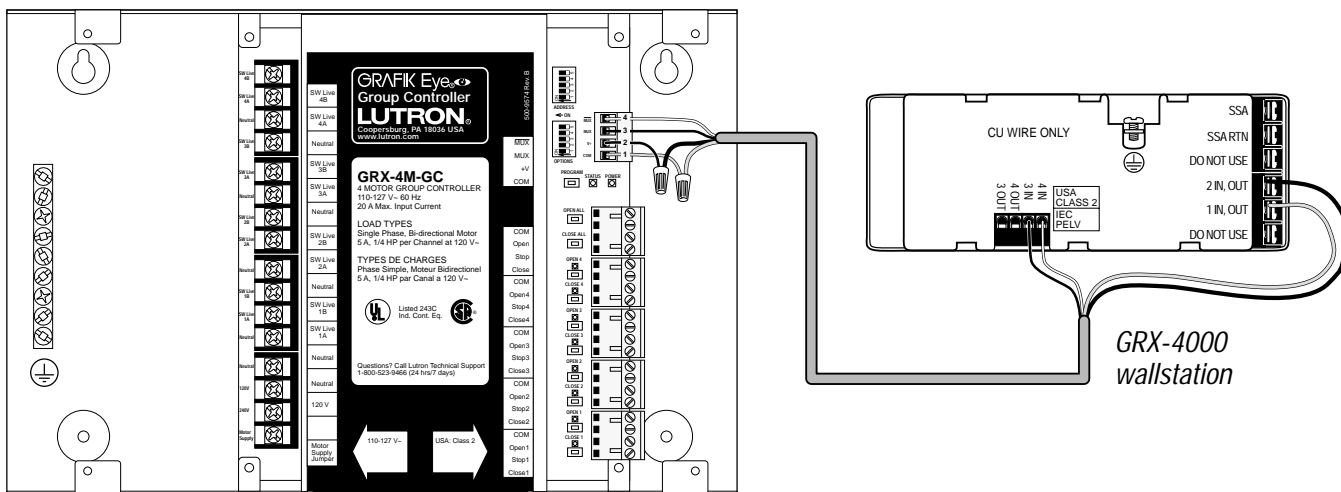
## CONNECTING MULTIPLE GROUP CONTROLLERS TO GRX 3000





# GRX 4000 Detail 3

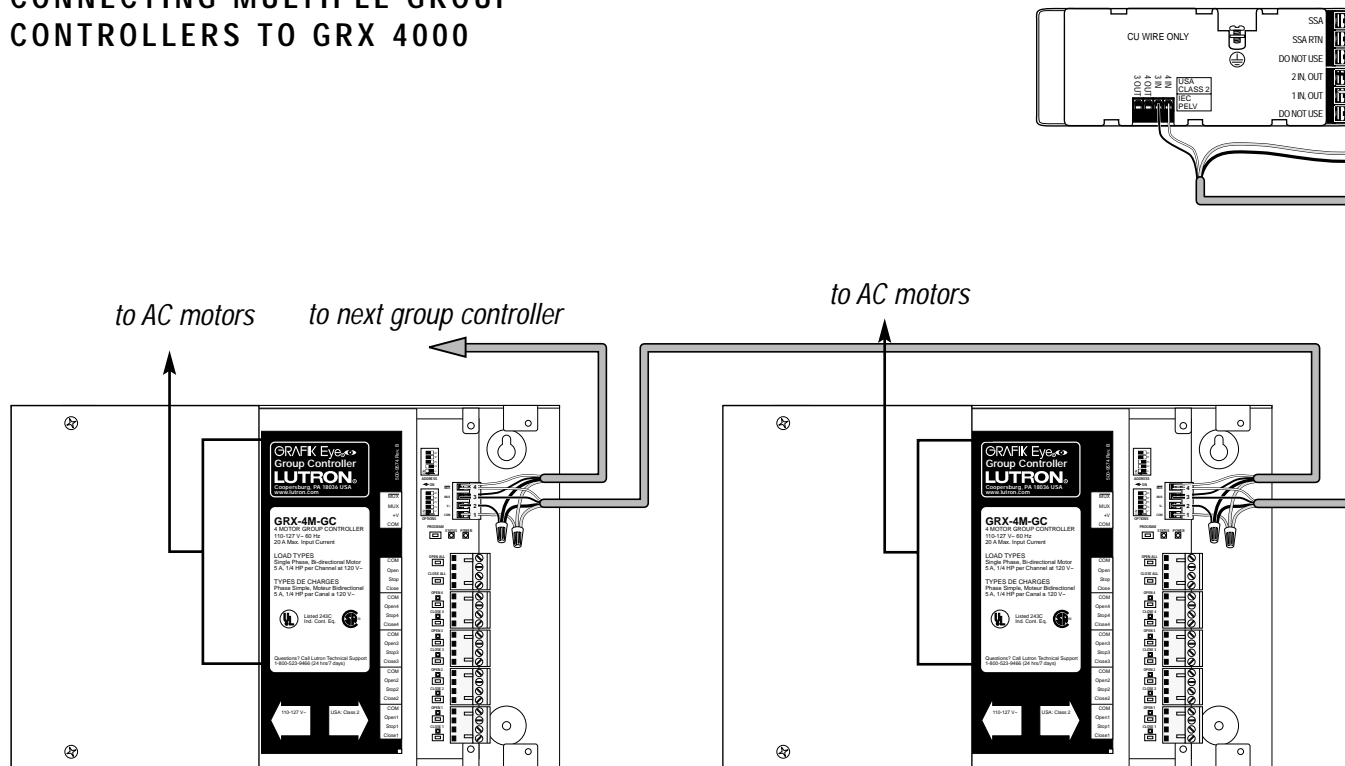
## LOW-VOLTAGE GROUP CONTROLLER TO GRX 4000 CONTROL UNIT



INTEGRATION

This detail shows how a *Lutron* group controller is wired to a GRX-4000 wallstation. It also shows how to link group controllers to provide control of more AC motors.

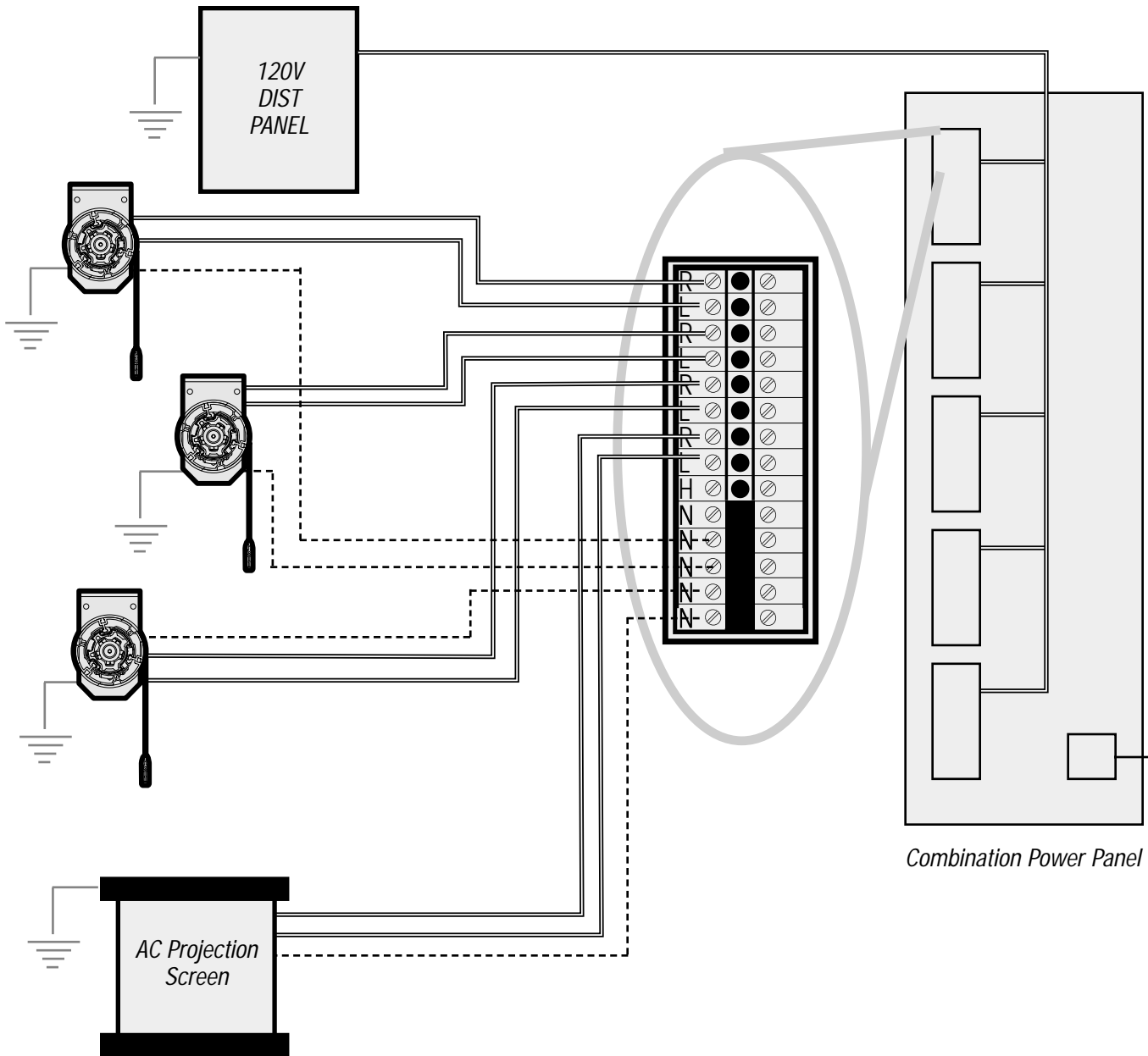
## CONNECTING MULTIPLE GROUP CONTROLLERS TO GRX 4000



# Wiring Integration GRX 5000/6000 and AC Motors

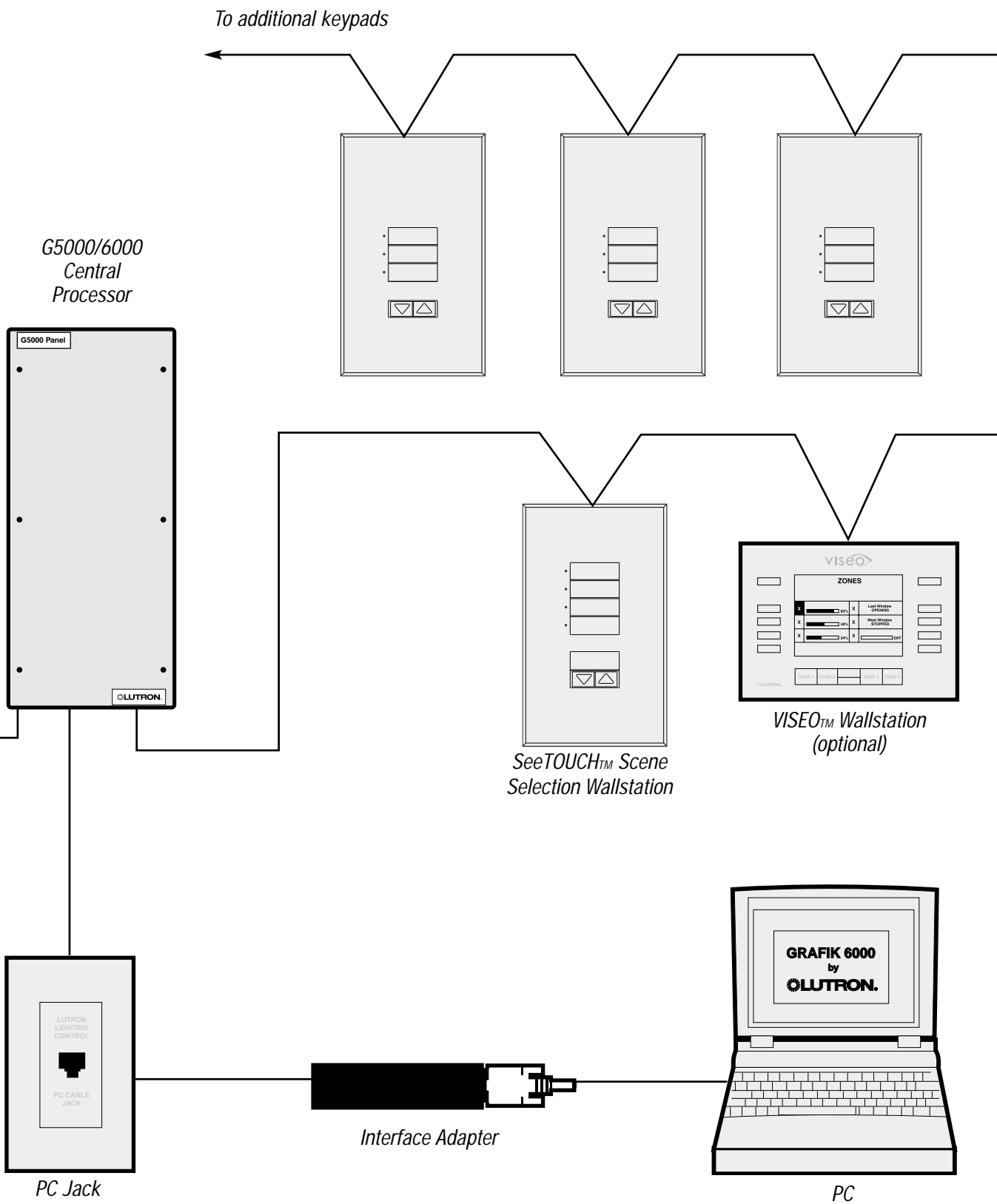
INTEGRATION

## SYSTEM OVERVIEW



| KEY                      |       |
|--------------------------|-------|
| Low Voltage Class 2 Wire | —     |
| Ground (green)           | ---   |
| Neutral (white)          | - - - |
| Line voltage (black/red) | —     |
| Connection               | ●     |
| Terminal Mount           | ⊗     |

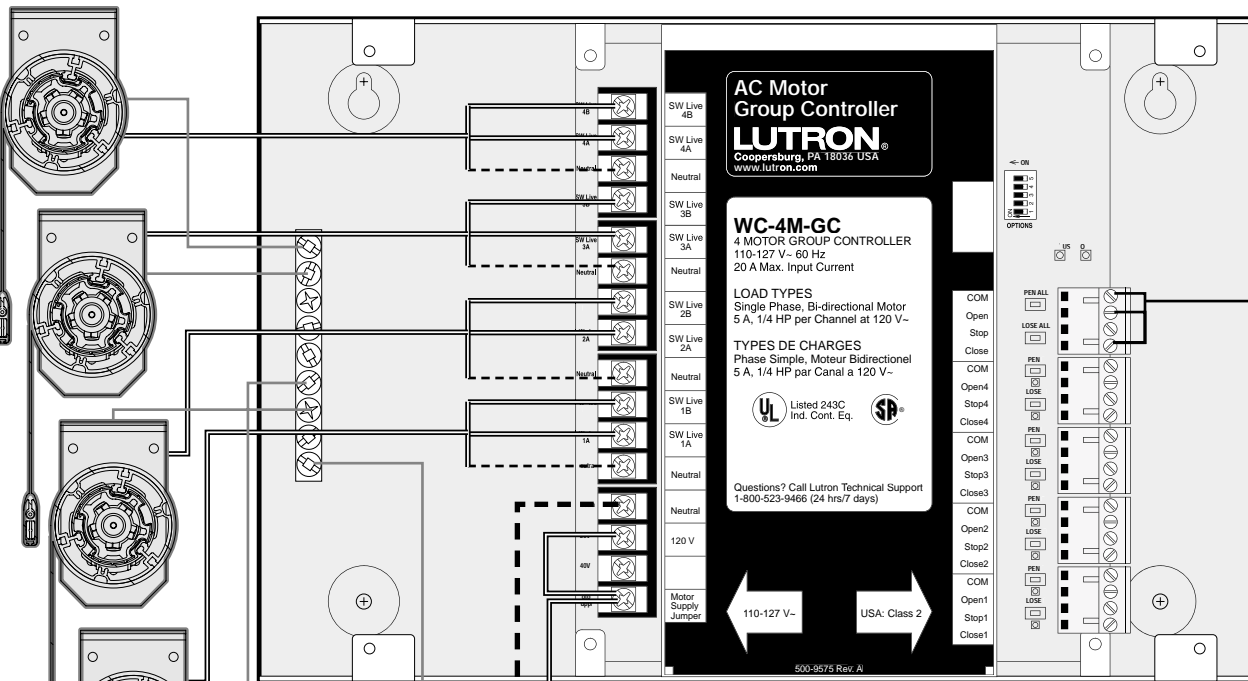
GRX 5000 and 6000 are large control systems for entire-building applications. By use of distribution panels and processors, command signals can be distributed to AC motors and lighting loads on a much larger scale. Control options include *VISEO™* wallstations and access via internet on a PC.



# Wiring Integration RadioTouch™ and AC Motors

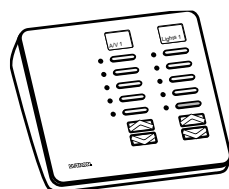
## SYSTEM OVERVIEW

to additional group controllers see page 6.9

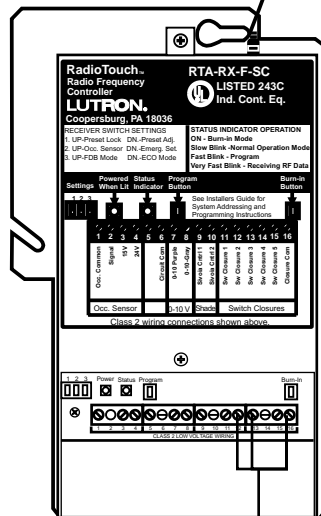


up to four motors

120V  
DIST  
PANEL



RadioTouch tabletop transmitter



RTA-RX-F-SC  
RadioTouch controller

**KEY**

- Low Voltage Class 2 Wire ———
- Ground (green) ———
- Neutral (white) - - - - -
- Line voltage (black/red) ———
- Connection ●
- Terminal Mount

RadioTouch™ is a radio-frequency based control for lighting and window treatments for an entire room such as a conference room or classroom. Installation is minimal and the control options are practically limitless. Control AC motors, projection screens and lighting, all from convenient RF transmitters.

