

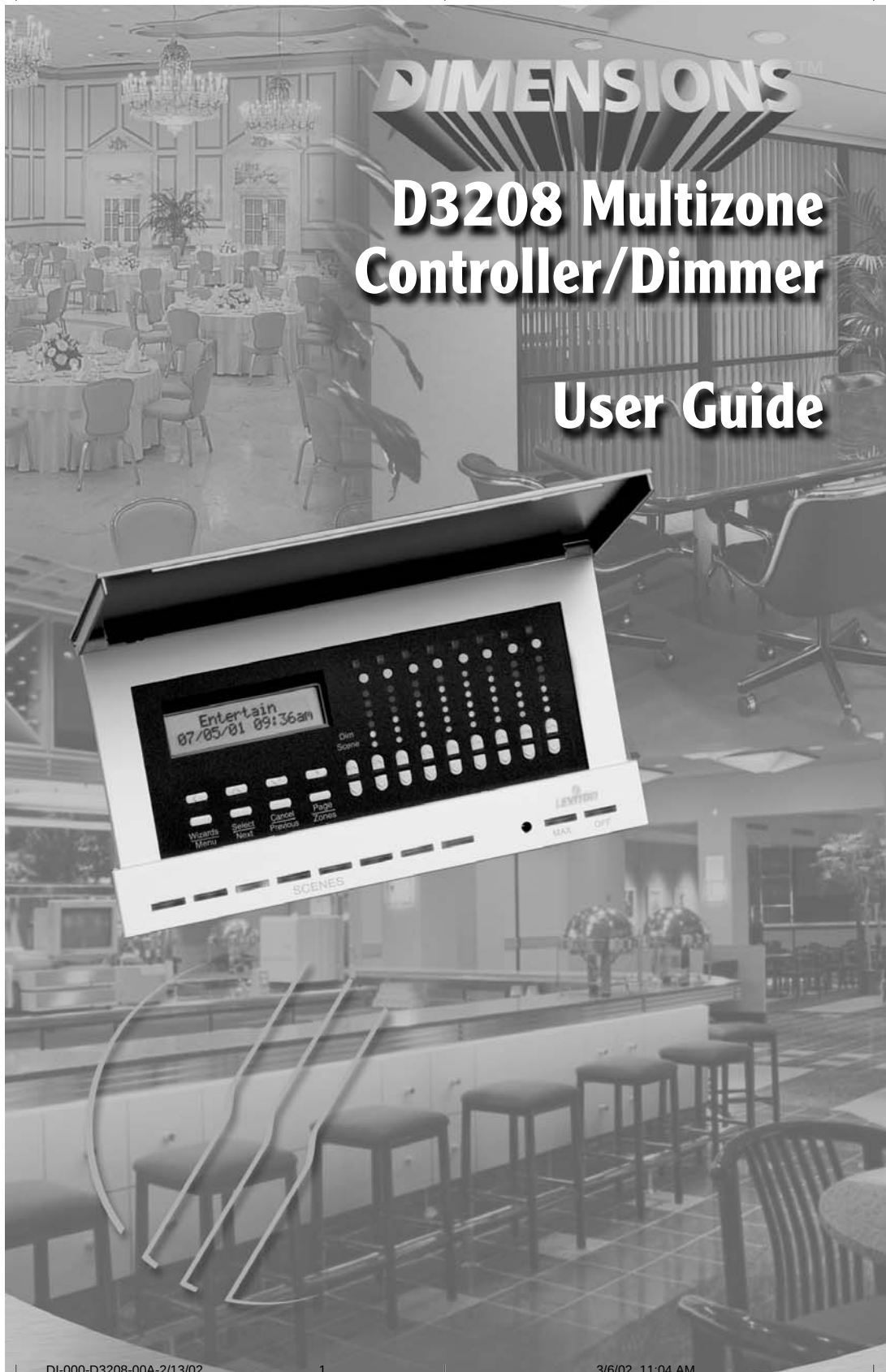




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FEATURES

FEATURES

- Allows dimming of 6 local loads per Multizone Controller (incandescent, tungsten, magnetic low-voltage, Advance Mark X fluorescent, neon, cold cathode and non-dimming)
- Controls up to 248 zones
- Remote zone control capability of up to 248 zones
- Allows 32 scenes per group, per single configuration
- Provides control of 8 partitioned areas in up to 256 configurations
- Expansion of up to 30 additional D3208 Controllers
- Group and individual zone DIM/BRIGHT capable
- Configurable fade-transition rates (0-59 seconds and 1-120 minutes)
- User-friendly Wizards for easy setup/operation
- Two-line, 32 character LCD (Liquid Crystal Display)
- Automatically turn ON/OFF lights at dusk and/or dawn (astronomical clock)
- Create up to 64 timed events which can reoccur year after year
- Create up to 32 lighting scenes
- Access any of the 32 scenes from the from the Programmer front panel (8 at any one time)
- Customizable zone names of up to 16 characters
- Compatible with other D3200 components that interface with the LCnet system; PC based programming through D3200 Setup Software and Leviton SmartJack, a wall-mounted Scene Controller, and a handheld remote control (optional)
- Access any of the scenes using 8 learned Infrared codes utilizing a Leviton IR Remote, Cat. No. NE210 or 32 codes with any standard IR Remote
- Real Time clock retains correct time, with accuracy of 15 seconds, in absence of power typically for 2 weeks
- Guaranteed 15 minute accuracy for any North American (US, Canada, Mexico) locality based on Sunrise/Sunset calculations.
- Security options

For more information, refer Leviton's website at www.leviton.com/D3200



INTRODUCTION

INTRODUCTION

The **Leviton Multizone Zone Controller/Dimmer, Cat. No. D3208**, provides advanced, multi-point scene control for commercial and high-end residential lighting applications. The D3208 is a user-friendly, self-contained unit that can be used to control—at one time from the front panel—up to six zones of lighting and two auxiliary LCnet dimming or switching loads in a room or group of rooms via a series of push-buttons and “Wizard” menus. Suited for areas with removable partitions, the D3208 accommodates combine/separate functionality, a host of customizable settings, and features an infrared receiver for use with a handheld remote control. Although the unit will often be used as part of a comprehensive D3200 dimming system attached via a communication bus, it may also be used solely as a dimmer attached to six loads.

A series of intuitive wizards displayed on the unit’s LCD simplifies the user interface. A number of push-buttons guide the user through the wizards, which can be used to program the Multizone Controller—as can Leviton software. The unit will normally display the selected scene’s name, date, and time in it’s Main Screen, and by simply pressing the applicable scene buttons, end-users can control their preprogrammed lighting. The Multizone Controller can send commands to up to 248 individual lighting and appliance loads.

The Multizone Controller provides the capability to program up to 32 customized Lighting Scenes. With Scene Lighting, selected lighting loads can be programmed to turn ON at desired brightness levels or OFF when required; in either a single room or a group of rooms. Lighting Scenes can be preset for home theater viewing, hall presentations, dining, entertaining and a wide range of other activities. Lighting Scenes can be easily changed at any time by pressing the applicable scene button.



DESCRIPTION

DESCRIPTION

The D3208 can function in two ways: One, as a self-contained dimmer for loads directly attached to it and two, as a control unit for other remote devices (which it can also power) attached to the Leviton Control Network (LCnet) communication bus.

The Multizone Controller is designed to be customized on the job site or residence in minutes with customized zone and scene names such as “Chandelier,” “Presentation,” and so on. If the zone is local to the Multizone Controller, the zone number appears above the LED column indicating each zone’s brightness level. The “A” for auxiliary will light up to indicate that the zone is wired to the LCnet but not directly to the Multizone Controller. During adjustment, the LCD displays the exact zone light level so that repeatable settings can be achieved. The D3208 provides eight different scene buttons; the active scene button will remain lit. Once scenes are programmed, any zone may be individually dimmed or brightened without affecting the rest of the scene. A number of other helpful push-buttons round out the functionality: Group Dim, Group Brighten, Maximum Brightness, and OFF.

The D3208 offers programming capabilities including each individual zone’s minimum level and name. Scene changes can also be scheduled based on clock time or dawn and dusk, and can even be set to change on a seemingly irregular schedule—ideal for security reasons.

As part of a much larger family of digital controls and systems, the D3208 can communicate with other LCnet control stations across its high-speed serial data line. This allows it to be incorporated into a system with other Dimensions 3200 Zone and Scene Controllers, including the six-zone D3206 Multizone Controller/Dimmer, as well as with remote dimmers and switched loads such as motors.



SPECIFICATIONS

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Electrical

Input:	120VAC, 60Hz, +/-10%
Isolated Output:	24VDC @150mA
Power Output:	1920W/VA total 1000W/VA max. per zone 1200W/VA max. per side
Minimum Load:	15W
Surge protection:	Surge Suppression for voltage surges up to 6000V and current surges up to 3000A
Load Types:	Incandescent, Tungsten, Magnetic Low-Voltage Transformer, Advance Mark X Electronic Fluorescent Dimming Ballast, Neon, Cold Cathode, and non-dimming loads
Testing/Code Compliance:	UL Listed, CSA Certified
FCC Statement:	This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device must not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.
Real Time Clock:	Accurate within 15 seconds per week, with or without power Leap year compensation Calculating of Sunrise and Sunset, given the correct latitude and longitude, to within 15 minutes

Environmental

Operating Temperature: 0°C to +40°C

Software

Programmer has been specified with sufficient permanent memory for 20 years to hold :

- 32 Scenes
- 64 Time schedules



QUICK REFERENCE GUIDE

QUICK REFERENCE GUIDE

Use this section for a quick reference for an overview of the operational features of the D3208 Multizone Controller after initial setup and programming has been completed. For more detailed features, please refer to the Programming/Operation section of the manual.

CALL SCENE: Used to choose which of the 32 programmed scenes are to be called or activated.

- Press a SCENE button (**refer to Figure 4**) to call or activate a programmed scene.

ADJUST ZONE LIGHT LEVEL: Used to increase or decrease the percentage of light level for selected zones.

- Press the Zone Dim/Bright buttons to increase or decrease the percentage of light level for individual zones (**refer to Figure 4**).
- Press the Dim Scene buttons to increase or decrease the percentage of light level for all zones (**refer to Figure 4**).

CHANGE SCENE BANK: Use to choose which of the 32 programmed scenes can be accessed and which SCENE buttons will control those scenes (01-08, 09-16...25-32).

- Press the Function button (**refer to Figure 4**) to toggle through the Scene Banks (01-08, 09-16...25-32) and then press a SCENE button to activate that bank.

PROGRAMMING SCENE: Use to program, name and set fade-transition rates to desired scenes.

- Press and hold down a SCENE button for approximately 8 seconds to access program mode.
- Press the **Up or Down** and **Left or Right** buttons to Edit Scene Name (i.e., Hallway Lights). Press the **Select/Next** button to save entry and proceed.
- Press the **Up or Down** button to set the desired fade time (default, 0:00 seconds to 2h00m) . Press the **Select/Next** button to save entry and proceed.
- Press the Dim/Bright buttons to turn lighting loads ON, OFF, or adjust percentage of lighting level (**refer to Figure 4**).
- Repeat steps for additional scenes.

Edit Scene Name:
SCENE 01

SCENE 01
Set Fade: <DEF>



QUICK REFERENCE GUIDE

PAGE TO OTHER CONTROLLERS: If using multiple Multizone Controllers, use this feature to access all Multizone Controllers addressed on the network. You can then modify or adjust lighting levels previously programmed.

- Press the Page Zones button to access the desired Controller (**refer to Figure 4**).
- If access is not allowed to other Multizone Controllers, refer to the Setup Wizard, **Step 15** to include remote panels on the network.

CHANGE CONFIGURATIONS: If using multiple Multizone Controller configurations, use this feature when changing the partition setup in a room.

NOTE: If partitioning has not been setup yet, follow the SETUP WIZARD to program the Panels section before proceeding.

- Press the **Wizards** button and then the **Up or Down** button to select the Config Wizard. Press the **Select/Next** button to access the CONFIG WIZARD.
- Press the **Select/Next** button to access the Set Config screen.
- Press the **Up or Down** buttons to select the desired Configuration (001-256).
- Press the **Select/Next** button to save entry and return to the CONFIG WIZARD screen.
- Press the **Wizards** button to return to the Main Screen.

Use ^, v or SEL
<CONFIG WIZARD>

Use ^, v or SEL
>Set Config

CONFIG 001
SELECT: 001

Use ^, v or SEL
<CONFIG WIZARD>



INSTALLATION INSTRUCTIONS

INSTALLATION INSTRUCTIONS

WARNING: TO BE INSTALLED AND/OR USED IN ACCORDANCE WITH APPROPRIATE ELECTRICAL CODES AND REGULATIONS.

WARNING: IF YOU ARE NOT SURE ABOUT ANY PART OF THESE INSTRUCTIONS, CONSULT A QUALIFIED ELECTRICIAN.

WARNING: DO NOT CONNECT LINE VOLTAGE WIRES TO LOW-VOLTAGE TERMINALS.

WARNING: TO REDUCE THE RISK OF OVERHEATING AND POSSIBLE DAMAGE TO THIS DEVICE AND OTHER EQUIPMENT, DO NOT INSTALL TO CONTROL A RECEPTACLE.

WARNING: USE ONLY WITH THE APPROPRIATE ADVANCE MARK X™ 120V ELECTRONIC DIMMING BALLASTS FOR CONTROLLING THE SPECIFIC FLUORESCENT LAMPS.

CAUTION: USE WITH INCANDESCENT, TUNGSTEN, 120V HALOGEN FIXTURES, COLD CATHODE, MAGNETIC LOW- VOLTAGE TRANSFORMER FIXTURES, OR MARK X™ 120V ELECTRONIC DIMMING BALLASTS ONLY. DO NOT USE THIS PRODUCT TO CONTROL ELECTRONIC (SOLID STATE) LOW- VOLTAGE TRANSFORMERS.

OTHER CAUTIONS:

1. WHEN A MAGNETIC LOW- VOLTAGE CIRCUIT IS OPERATED AT A DIM LEVEL, WITH ALL LAMPS INOPERATIVE, EXCESS CURRENT MAY FLOW THROUGH THE TRANSFORMER. TO AVOID POSSIBLE TRANSFORMER FAILURE DUE TO OVERCURRENT, USE A TRANSFORMER THAT INCORPORATES THERMAL PROTECTION OR A FUSE AT THE PRIMARY WINDINGS.
2. WHEN USING WITH FLUORESCENT BALLASTS, BOTH LIGHTING FIXTURE AND DIMMER MUST BE **GROUND**ED.
3. USE THIS DEVICE ONLY WITH COPPER OR COPPER CLAD WIRE. WITH ALUMINUM WIRE USE ONLY DEVICES MARKED CO/ALR OR CU/AL.
4. DO NOT MIX LOAD TYPES ON A SINGLE ZONE (I.E, 120V TUNGSTEN AND MAGNETIC LOW-VOLTAGE).
5. DISCONNECT POWER WHEN SERVICING FIXTURES OR CHANGING LAMPS.

TO INSTALL:

1. **WARNING:** TO AVOID FIRE, SHOCK, OR DEATH; **TURN OFF POWER** AT CIRCUIT BREAKER OR FUSE AND TEST THAT POWER IS OFF BEFORE WIRING!
2. Determine location for installation of the Multizone Controller.



INSTALLATION INSTRUCTIONS

3. Remove Front Door Frame assembly by gently lifting the bottom edge of the frame until it snaps off (**refer to Figure 1**). Swing the bottom edge away until the upper section is released.
4. Mount 5-gang, 2-1/2" wall box with a 4-gang raised cover in wall at desired location with 4 screws.

5. Line Voltage Wiring:

NOTES:

- The insulation of the Class I field wiring must be rated no less than 75°C.
 - Each screw terminal is capable of holding up to two (2) 12 AWG wires.
- A. Remove 3/8" (0.95 cm) of insulation from each circuit conductor. Make sure that ends of conductors are straight.
 - B. Connect conductors per WIRING DIAGRAM as follows (**refer to Figures 2 and 3**): Insert conductors under appropriate terminal clamp and tighten screws to 9 in.-lbs. of torque.

NOTE: The Multizone Controller will automatically assign zone numbers to loads based on which terminal you connect each load to. For example: connecting a bank of fixtures to the Load 1 terminal means that those fixtures will be the first Zone on that Multizone Controller. The D3208 also allows you to change these zone numbers, if you desire.

6. Low-Voltage Wiring (If LCnet wiring is required):

NOTES:

- LCnet must be wired using a twisted pair for the CAN_H and CAN_L wires. Leviton recommends using CAT5 wire.
- LCnet wires must also be dressed so they are separate from the high voltage (Class I) conductors. Refer to local building codes for the appropriate installation requirements for the low-voltage wiring. Jacketing over the low-voltage wires may be required to provide appropriate insulation from the high-voltage wiring.

Connect leads per WIRING DIAGRAM as follows (**refer to Figure 3**): Insert each lead into appropriate plug connector location by pushing firmly. If using stranded wire, twist strands of each lead tightly (making sure that there are no stray strands) and push firmly into appropriate plug connector location. Tighten the screws on the plug connector—making sure that no bare conductor is showing. Connect plug connector to jack on the back of the Controller.

7. Carefully position all wires to provide room in wall box for Multizone Controller. Mount Controller to raised cover using the screws provided (**refer to Figure 1**).

8. Restore power at circuit breaker or fuse.

8



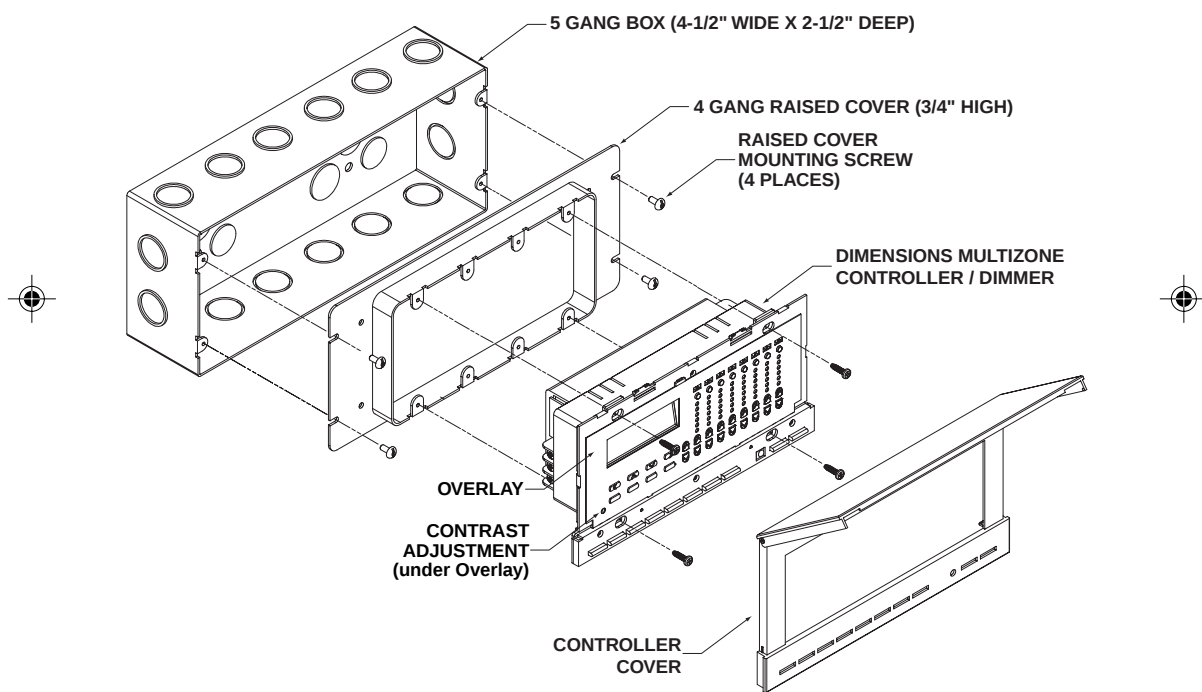
INSTALLATION INSTRUCTIONS

9. Check for power to the Multizone Controller by verifying that the GREEN LCD on the front of the unit is displaying the Dimensions D3200 splash screen.
10. If necessary, increase or decrease the contrast of the display first, remove the overlay by gently lifting and releasing the tabs. Then, use a small Philips style screwdriver to slightly turn the adjustment until preferred contrast is achieved. To replace overlay, carefully insert lower tabs into front slots of frame and then bow overlay so that top tab slips into top slot (**refer to Figure 1**).
10. Reinstall the Front Door Frame assembly by aligning with unit. Carefully press the frame onto unit until it snaps into position. Press all edges to ensure that it is fully seated.
11. **INSTALLATION IS COMPLETE.**



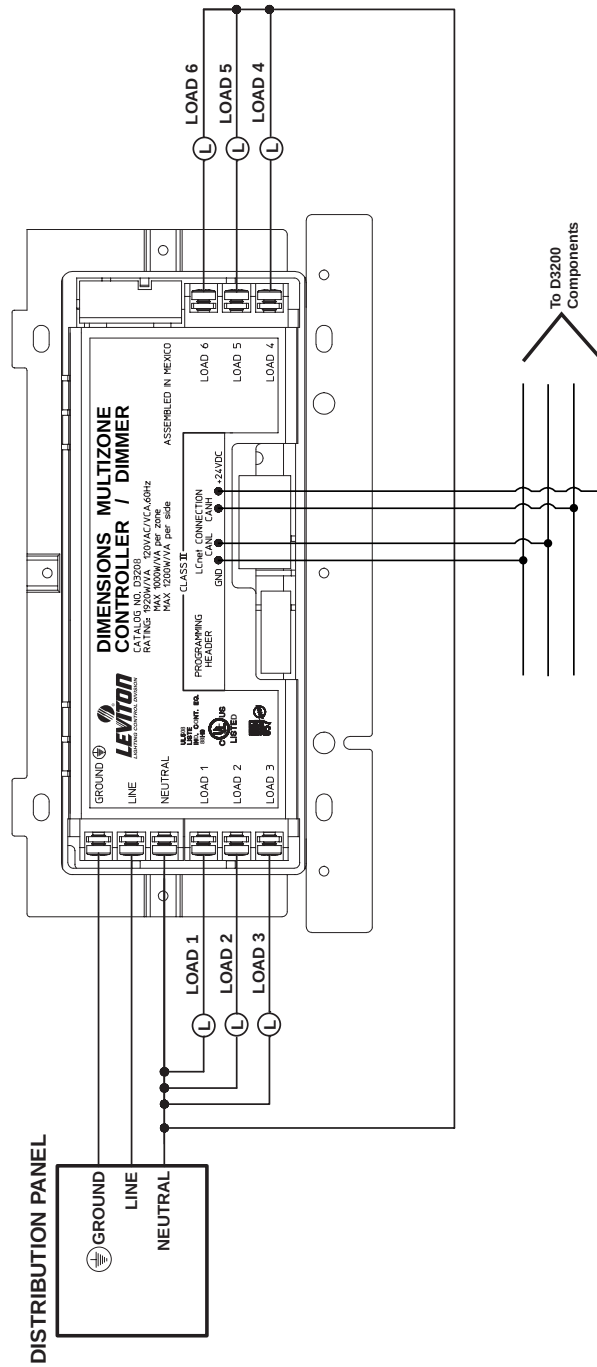
INSTALLATION INSTRUCTIONS

FIGURE 1
MULTIZONE CONTROLLER MOUNTING



INSTALLATION INSTRUCTIONS

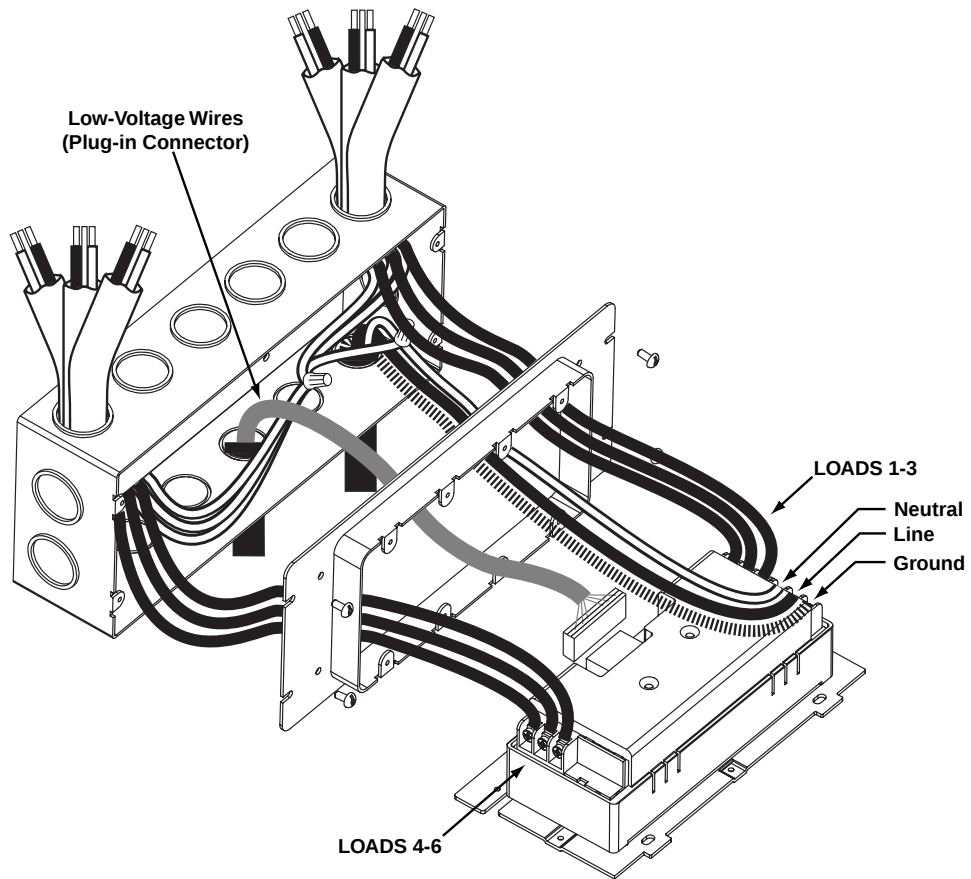
FIGURE 2
MULTIZONE CONTROLLER WIRING DIAGRAM 1





INSTALLATION INSTRUCTIONS

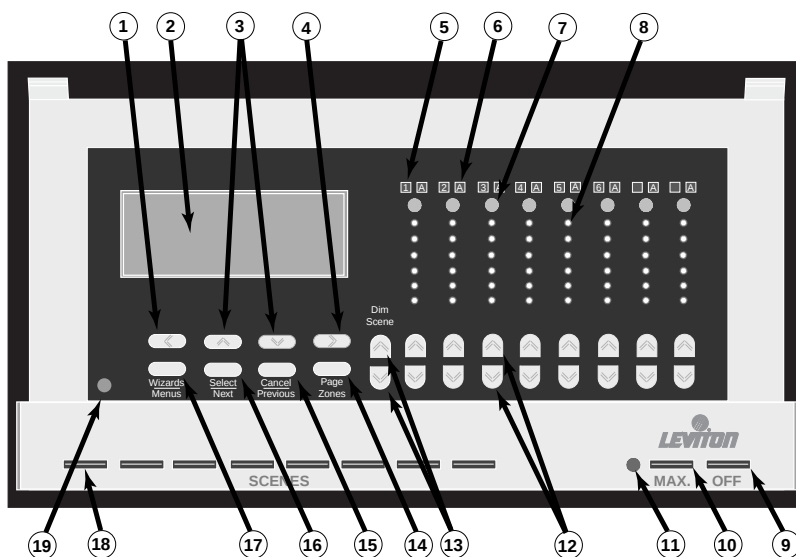
FIGURE 3
MULTIZONE CONTROLLER WIRING DIAGRAM 2





USER INTERFACE

FIGURE 4
MULTIZONE CONTROLLER USER INTERFACE



- 1) Function/Previous Field Button (programming) / Shortcut Button (change scene bank from main screen) (Pgs. 14 and 18).
- 2) 2 Line x 16 Character Display (LCD).
- 3) Function/Change Option Button (programming) (Pgs. 14 and 18).
- 4) Function/Next Field Button (programming) / Shortcut Button (change scene bank from main screen) (Pgs. 14 and 18).
- 5) Local Zone Display 1-6.
- 6) Auxiliary Zone Display 1A-6A, A, A.
- 7) Zone Information Buttons (Pg. 14).
- 8) Zone Brightness Level.
- 9) ALL OFF Button (Pg. 14).
- 10) Maximum Bright Button (Pg. 14).
- 11) IR Receiver.
- 12) Dim/Bright Buttons (Pg. 14).
- 13) Group Dim/Bright Buttons (Pg. 14).
- 14) Zone Page Button (Pg. 14).
- 15) Cancel/Previous Button (Pgs. 14 and 18).
- 16) Select/Next Button (Pgs. 14 and 18).
- 17) Wizards/Menu Button (Pgs. 14 and 18).
- 18) Scene Programming and Recall Buttons (Pg. 14).
- 19) LCD Contrast Adjustment (under overlay).



PROGRAMMING AND OPERATION

PROGRAMMING

Control Buttons (refer to Figure 4):

With the cover closed, you can access the **SCENE PROGRAMMING/RECALL**, **MAX**, and **OFF** buttons. With the cover open, you can access the **LCD Display**, the **Wizard/Menus**, **Select/Next**, **Cancel/Previous**, **Page Zones**, **Dim Scene**, **Dim/Bright**, **Zone Info**, and **Function/Shortcut** buttons.

SCENES:	Selects a new scene, and signals a preprogrammed set of lighting levels to fade in while the previously selected scene fades out. Named scenes will appear in the display (LCD) when the button is pressed (i.e., Breakfast, Lunch, or Dinner).
MAX:	Turns all Loads to maximum BRIGHT.
OFF:	Turns all Loads OFF (opens the air-gap relay).
Wizard/Menus:	Toggles between Main Screen on LCD and several programming screens (refer to Programming section).
Select/Next:	Advances programming steps.
Cancel/Previous:	Cancels out of Wizard or moves to previously selected screen.
Page Zones:	Toggles between local zones on current panel to remote zones on a remote panel.
Dim Scene:	One touch control for dimming of set scene.
Dim/Bright:	Allows for manual control of setting percentage of light level for selected zone.
Zone Info:	Displays active Panel, Zone, Group, and Light Level information.
Auxiliary Zones:	Controls and displays Loads that are not directly wired to the D3208 being accessed.
Function/Shortcut:	Used to navigate through programming sequences and as a shortcut to access Scene Banks.

NOTE: The SCENE, MAX, and OFF buttons will act on a particular group. In the Basic **B** application this will not make a difference. However, in Advanced **A** applications (such as when using different configurations), you must ensure that programming of the scene bank is the same as the zone group used for the active configuration.



PROGRAMMING AND OPERATION

Things to know for basic and more advanced applications:

Basic Application - The D3208 Multizone Controller can be installed solely as a dimmer to control up to 8 loads, including 2 auxiliary loads. There are programming and operating procedures that will not be applicable for this type of configuration. For ease of use, the basic programming and operating steps will be flagged with a **B** icon.

NOTE: If there is not a **B** icon next to the section, press the Select/Next button to proceed.

Advanced Application - The D3208 Multizone Controller can also be used as part of a D3200 dimming system, utilizing an LCnet communication bus. Using this type of installation will require more preparation and thought, as well as additional programming and operating steps. These steps will be flagged with an **A** icon. If using a multiple device configuration, please note the following:

- How many rooms will be used in the application?
- How many devices will be used in the application?
- How will the rooms will be partitioned and how many groups and configurations will be used. Refer to the following Partitioning section and **Figure 6** for an example of Partitioning.

Refer to Panels Programming Section in the SETUP WIZARD for additional information.

PARTITIONING

The D3208 enables you to adjust the lighting levels based on room partitioning. Each arrangement of the movable walls in a partitioned room corresponds to a particular configuration. A configuration is a collection of information—settings and parameters—that is based on the arrangement of walls of a partitioned room. As the walls change, the configuration selection will need to change as desired.

GROUP

A group is a collection of zones (i.e., loads 01-06) that is assigned a group number. A maximum of 64 groups per configuration may be programmed to the D3208. A single zone set (i.e., 01-06) may be assigned to more than one group, corresponding to different configurations. Each zone will belong to a group.

CONFIGURATION

A configuration includes all of the information for zones, groups and scenes. Programmed scenes are called for a particular group. For example, in configuration 1, zones 1-6 can be all part of group 1 and have scenes 01-08 programmed for certain light levels (**refer to Figure 5**). But in configuration 2, zones 1-6 are part of group 2 and scenes 01-08 are programmed to different light levels and names.

FIGURE 5

Configuration #1 Table				
Zone 1	Group #	Scene 1 Level	Scene 2 Level	Scene 3 Level....
Zone 2	Group #	Scene 1 Level	Scene 2 Level	Scene 3 Level....
Zone 3	Group #	Scene 1 Level	Scene 2 Level	Scene 3 Level....

NOTE: There can be up to eight partitions, which may yield as many as 256 configurations.

NOTE: It is recommended that you use a similar layout as depicted in **Figure 6** to minimize any problems while navigating through the Setup and Panel menus.

NOTE: Make sure to have your layout handy (**refer to Figure 6**).

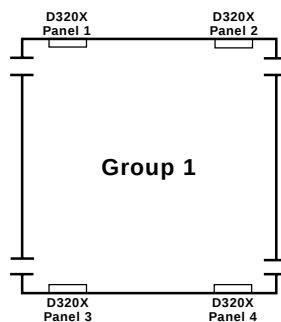


PROGRAMMING AND OPERATION

FIGURE 6
PARTITIONING CONFIGURATIONS

Configuration 1:

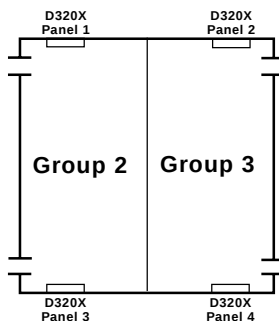
All 4 Panels operate together



Configuration 2:

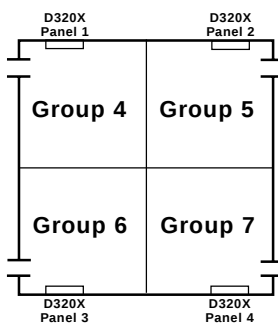
Group 2 - Panels 1 and 3 operate together

Group 3 - Panels 2 and 4 operate together



Configuration 3:

All rooms and panels work independently of each other





PROGRAMMING AND OPERATION

TO PROGRAM and OPERATE:

Pressing the **Wizards** button (refer to **Figure 4**) on the front panel of the Multizone Controller will help run through the Setup and Programming necessary to set desired scene lighting levels and timed events.

NOTE: Use the **Function Buttons** to change characters (UP  and DOWN ) and move to the next or previous character (LEFT  and RIGHT ). Blank spaces can also be inserted to separate words when desired.

NOTE: Screen will time-out after 30 seconds of no activity and return to Main Screen. If time-out should occur, re-enter the Wizard and Menu that you were programmed and press the **Select/Next** button to scroll to the screen that you were previously in.

SETUP WIZARD - The SETUP WIZARD is the first step in setting up the Multizone Controller to ensure that the unit functions properly by programming all operational features except for Scenes, IR and Timers. Proceed as follows:

Basic – Used to program features such as device type, sound, security and panel selection. Proceed as follows:

- B** 1. Press the **Wizards** button and then the **Up or Down** button to select the Setup Wizard. Press the **Select/Next** button to access the SETUP WIZARD.

Use ^, v or SEL
<SETUP WIZARD>

- B** 2. Press the **Select/Next** button to access the Basic screen.

Use ^, v or SEL
1> Basic

- B** 3. Press the **Up or Down** button to select the desired device Style (Architec or Decora).

Select Style
-> <Decora>

The **Architectural** setting allows for more precise Dim/Bright control of the device. The device can be adjusted in 1% increments by tapping the Dim/Bright buttons. Press the button to turn the lights ON. Pressing and holding the button until the level reaches zero, and then tapping the button again, will turn the device OFF.

The **Decora** setting allows for general Dim/Bright control of the device. By tapping the Dim/Bright buttons, the device will turn ON to the last light level set or turn OFF. Pressing and holding the button will incrementally Brighten or Dim the device.

Press the **Select/Next** button to save entry and proceed.

- B** 4. Press the **Up or Down** button to select the desired Beep Mode (On or Off). Press the **Select/Next** button to save entry and proceed.

Select Beep Mode
-> <Beep_On>

- B** 5. Press the **Up or Down** button to select the desired Security mode (Lock On or Lock Off). The Lock On mode allows for the option to create a password to limit access to the SCENE buttons from unauthorized personnel.

Select Security
-> <Lock off>



PROGRAMMING AND OPERATION

The Lock Off mode provides full accessibility to all functional buttons. Press the **Select/Next** button to save entry and proceed.

- A 6. For Partitioning Only.** If not using the partitioning feature, press the **Select/Next** button to proceed to next step.

NOTE: If using only one Multizone Controller, leave default setting. Press the **Select/Next** button to save entry and proceed.

Press the **Up or Down** button to select the desired Scene Mode (COMMON SCENES or DIFFER. SCENES). This feature allows for the setting of the same scenes in all configurations or to program different scenes in different configurations. Press the **Select/Next** button to save entry and proceed.

Set Scene Mode
<COMMON_SCENES>

- A 7. When using more than one D3208:**

Press the Up or Down button to select the desired Panel (01-31). This setting is used to give unique addresses to each Multizone Controller if using a multiple Multizone Controller configuration. Repeat step until all units are numbered. Press the **Select/Next** button to save entry and proceed.

Select Panel: 31
Panel 31

- A 8.** Press the **Up or Down** and **Left or Right** buttons to Edit Panel Name (i.e., Reception Area). Use this setting to give a user-friendly name to each used panel, if desired. Press the **Select/Next** button to save entry and proceed.

Edit Panel Name:
Panel 31

- B 9.** Press the **Select/Next** button to Set Options programmed and proceed.

- B 10.** Press the **Select/Next** button to continue the SETUP WIZARD.

APanels – Used to program configuration and group parameters when using the partitioning. It is also used to setup other panels that you can page to in order to control remote zones. Please note the following and proceed.

- 11.** Press the **Up or Down** button to select the Panels screen. Press the **Select/Next** button to save entry and proceed.

Use ^, v or SEL
2> Panels

- 12.** Press the **Up or Down** button to select the desired CONFIG (001-256). This setting will be used to determine the layout of each room or configuration. Press the **Select/Next** button to save entry and proceed.

CONFIG 064
SELECT: 064

- 13.** Press the **Up or Down** and Left or Right buttons to EDIT NAME of configuration (001-256). Press the **Select/Next** button to save entry and proceed.

Edit Name: 064
CONFIG 064



PROGRAMMING AND OPERATION

14. Press the **Up or Down** button to select the desired Scene Group (01-64). Press the **Select/Next** button to save entry and proceed.

SELECT GROUP
<01>

15. Press the **Up or Down** button to select the desired Panels (01-31) and the **Left or Right** buttons to Include or Exclude (INCL, EXCL) the selection. This setting is used to setup which additional panels are to be accessed from this panel using the Page Zones button. Press the **Select/Next** button to save entry and proceed.

PANEL 31
PANEL: 31 <INCL>

NOTE: If only one Panel is installed, but programming of additional Panels has been selected and Included, the Exclude default option will set automatically.

NOTE: Each Panel must be selected and Included or Excluded individually.

16. Press the **Up or Down** and **Left or Right** buttons to Edit Panel Name (i.e., North Wing Panel). Use this setting to give a user-friendly name to each used panel. Press the **Select/Next** button to save entry and proceed.

Edit Panel Name:
Panel 31

17. Press the **Up or Down** and **Left or Right** buttons to SET AUX ZONES (i.e., 1: DIS (default), 2: EN). Use this setting to Enable (EN) or Disable (DIS) the Auxiliary zones from the panel being programmed. Press the **Select/Next** button to save entry and proceed. Repeat Steps 16 and 17 for programming of additional Panels.

SET AUX ZONES
1: <DIS> 2: <DIS>

18. Press the **Wizards** button to save Panels programming and return to the Main Screen. Press the **Wizards** button again and then the **Up or Down** button to select the SETUP WIZARD and continue programming.

19. Press the **Select/Next** button to continue the SETUP WIZARD.

Zones – Used to program zone information, including zone, group, channel and device type. A zone can be either a single load or a group of loads controlled as a single entity. Proceed as follows:

- B** 20. Press the **Up or Down** button to select the Zones screen. Press the **Select/Next** button to save entry and proceed.

Use ^, v or SEL
3> Zones

- B** 21. Press the **Up or Down** button to select the desired ZONE (1-8) and the **Left or Right** then the **Up or Down** buttons to select the desired PANEL (01-31). This setting provides the default information of Panel and Zone #'s. Press the **Select/Next** button to save entry and proceed.

PANEL: 31 ZONE:1
ZONE # 31-1



PROGRAMMING AND OPERATION

- A** 22. Press the **Up or Down** and **Left or Right** buttons to edit Zone Name (i.e., Living Room). Use this setting to give a user-friendly name to each used zone, if desired. Press the **Select/Next** button to save entry and proceed.

PANEL: 31 ZONE:1
ZONE # 31-1

- A** 23. Press the **Up or Down** button to select the desired GROUP (01-64) for the selected zone. Use this setting to select the group number that the selected zone will be assigned to under this configuration. Press the **Select/Next** button to save entry and proceed.

SELECT GROUP: 01
ZONE# 31-1

- A** 24. Press the **Up or Down** button to select the desired CHANNEL (1-8, X). Use this setting to change the mapping of the Channel number to the physical Load connections. Press the **Select/Next** button to save entry and proceed.

CHANNEL#: 1
ZONE# 31-1

NOTE: Two Channels cannot be mapped to the same Channel number. You must first change the Channel to an "X", which is a place holder (i.e., to change 1 to 6, first change the 6 to an "X", than change the 1 to a 6. You may now change the 6 to a 1).

- B** 25. Press the **Up or Down** button to select the desired TYPE (REL, DIM). This setting is used to select either a dimming (dimmer) or a non-dimming (relay) Load. If a dimmer (DIM) type is selected, press the **Select/Next** button to save entry and proceed. If a non-dimming (REL) type is selected, press the **Select/Next** button to save entry and proceed to **Step 27**.

SELECT TYPE: DIM
ZONE# 31-1

- B** 26. Press the **Up or Down** button to select the desired LOAD TYPE (FLOR, INC). This setting is used to select either Incandescent, which is used for Incandescent, Magnetic Low-Voltage, Cold Cathode, Tungsten and Neon Loads or Fluorescent, which is used for Mark X™ Fluorescent Loads. Press the **Select/Next** button to save entry and proceed. Zone programming is now finished.

LOAD TYPE: <INC>
ZONE# 31-1

- B** 27. If programming additional Zones, press the **Select/Next** button and repeat Steps 21 through 27.

If Zone programming is complete, press the **Wizards** button to return to the Main Screen.

A Aux Devices – Used to setup auxiliary zones.

28. Press the **Wizards** button and then the **Up or Down** button to select the SETUP WIZARD. Press the **Select/Next** button to access the SETUP WIZARD.

Use ^, v or SEL
<SETUP WIZARD>

PROGRAMMING AND OPERATION

29. Press the **Up or Down** button to select the Aux Address screen.

Use ^, v or SEL
4> Aux Address

30. Press the **Select/Next** button to access the Aux Address screen.

31. Press the **Up or Down** button to select the desired PANEL (01-31) and the **Left or Right** buttons to select the desired ZONE (1-8).

PANEL: 31 ZONE:7
ZONE # 31-1

32. Press the **Select/Next** button to SET AUX DEVICE Address.

33. Press the **Select/Next** button to continue.

34. The SETUP WIZARD is now finished.

ASystem – Used for factory representative field use only.

BCLOCK WIZARD – Accessing and properly selecting the settings in this section is the next step in using this device. It provides basic Time and Daylight Savings settings. Proceed as follows:

NOTE: If multiple Multizone Controllers are installed on the LCnet, all units will synchronize when settings are stored from the Multizone Controller being programmed.

1. Press the **Wizards** button and then the **Up or Down** button to select the CLOCK WIZARD. Press the **Select/Next** button to access the CLOCK WIZARD .

Use ^, v or SEL
<CLOCK WIZARD>

2. Press the **Select/Next** button to access the Set Date-Time screen.

Use ^, v or SEL
> Set Date-Time

3. Press the **Select/Next** button to access the Adjust Time screen.

Adjust Time:
12:00:00 AM

4. Enter the time by pressing the **Up or Down and Left or Right** buttons. Press the **Select/Next** button to save entry and proceed.

5. Enter the date by pressing the **Up or Down and Left or Right** buttons. Press the **Select/Next** button to save entry and proceed.

Adjust Date:
01/01/02 Tu

6. For Daylight Savings, press the **Up or Down** buttons to toggle between ON and OFF. Set to ON position if Daylight Savings is observed in your area. Set to the OFF position to disable setting.

Daylight Saving
Auto adjust<ON>

7. Press the Cancel/Previous button to complete CLOCK WIZARD programming and return to the Main Screen.



PROGRAMMING AND OPERATION

SCENE WIZARD – The SCENE WIZARD allows for the programming and operation of up to 32 lighting scenes. Naming of device and lighting scenes gives user-friendly control of lighting loads. Proceed as follows:

Call Scene – Used to choose which of the 32 programmed scenes are to be called or activated. Proceed as follows:

NOTE: Pressing a **SCENE** button (refer to Figure 4) will also call or activate a programmed scene. In addition, pressing the function button will toggle through the Scene Banks (01-08, 09-16...25-32) and then pressing a **SCENE** button will activate that bank.

Scenes 01-08 for group 1 will have the following preset levels preprogrammed with all 6 physical loads being programmed to the same levels (factory set default):

Scene 1	10%	Scene 5	75%
Scene 2	25%	Scene 6	90%
Scene 3	40%	Scene 7	55%
Scene 4	55%	Scene 8	25%

1. Press the **Wizards** button and then the **Up or Down** button (if necessary) to select the SCENE WIZARD. Press the **Select/Next** button to access the SCENE WIZARD.

Use ^, v or SEL
<SCENE WIZARD>

2. Press the **Select/Next** button to access the Call Scene screen.

Use ^, v or SEL
> Call Scene

3. Press the **Up or Down** button to select the desired scene to call (01-32). Press the **Select/Next** button to save entry and proceed.

Select scene: 01
Scene 01

4. Press the **Up or Down** button to call the a scene with a desired fade time (default, 0:00 seconds to 2h00m). Press the **Select/Next** button to save entry and proceed.

SCENE 01
Set Fade: <def>

NOTE: This fade time is different from the fade time programmed in the scene.

5. Press the **Select/Next** button to Execute Scene screen.

Program Scene – Used to program, name and set fade-transition rates to desired scenes. Proceed as follows:

NOTE: Scene programming can also be accessed by holding down a SCENE button for 8 seconds and then proceeding.

1. Press the **Wizards** button and then the **Up or Down** button (if necessary) to select the SCENE WIZARD. Press the **Select/Next** button to access the SCENE WIZARD.

Use ^, v or SEL
<SCENE WIZARD>



PROGRAMMING AND OPERATION

2. Press the **Up or Down** button to select the Program Scene screen.

Use ^, v or SEL
> Program Scene

3. Press the **Select/Next** button to access the Program Scene screen.

4. Press the **Up or Down** button to select the desired Scene (1-32). Press the **Select/Next** button to save entry and proceed.

Select scene: 01
SCENE 01

5. Press the **Up or Down** and **Left or Right** buttons to Edit Scene Name (i.e., Hallway Lights). Press the **Select/Next** button to save entry and proceed.

Edit Scene Name:
SCENE 01

6. Press the **Up or Down** button to set the desired fade time (default, 0:00 seconds to 2h00m). Press the **Select/Next** button to save entry and proceed.

SCENE 01
Set Fade: <DEF>

7. Adjust the levels for each zone and press the **Select/Next** button twice to store the scene.

8. Repeat procedure to program additional scenes.

9. SCENE WIZARD programming is now Finished.

B Set Scene Bank – Used to setup a total of up to 32 scenes and which SCENE buttons will control what scenes (01-08, 09-16...25-32). Proceed as follows:

1. Press the **Wizards** button and then the **Up or Down** button (if necessary) to select the SCENE WIZARD. Press the **Select/Next** button to access the SCENE WIZARD.

Use ^, v or SEL
<SCENE WIZARD>

2. Press the **Up or Down** button to select the Set Scene Bank screen.

Use ^, v or SEL
>Set Scene Bank

3. Press the **Select/Next** button to access the Set Scene Bank screen.

4. Press the **Up or Down** button to select the desired Scene Bank (01-08...25-32). Press the **Select/Next** button to save entry and proceed.

SCENE BANK
<01-08>

5. Press the **Select/Next** button once to return to the SCENE WIZARD screen or press the **Select/Next** button and then the **Wizards** button to return to the Main Screen.

6. Repeat procedure to set additional banks.



PROGRAMMING AND OPERATION

A Set Scene Group – Scene calls made from the Multizone Controller (Menu or Scene Buttons 1-8) are made for the group chosen here. Proceed as follows:

1. Press the **Wizards** button and then the **Up or Down** button (if necessary) to select the SCENE WIZARD. Press the **Select/Next** button to access the SCENE WIZARD.

Use ^, v or SEL
<SCENE WIZARD>
2. Press the **Up or Down** button to select the Set Scene Group screen.

Use ^, v or SEL
>Set Scene Group
3. Press the **Select/Next** button to access the Set Scene Group screen.
4. Press the **Up or Down** button to select the desired Scene Group (01-64). Press the **Select/Next** button to save entry and proceed.

SELECT GROUP
<01>
5. Press the **Select/Next** button once to return to the SCENE WIZARD screen or press the **Select/Next** button and then the **Wizards** button to return to the Main Screen.
6. Repeat procedure to change scene group.

A Scene Lock – Used to lock out or enable Scene and Dim/Bright buttons:

1. Press the **Wizards** button and then the **Up or Down** button (if necessary) to select the SCENE WIZARD. Press the **Select/Next** button to access the SCENE WIZARD.

Use ^, v or SEL
<SCENE WIZARD>
2. Press the **Up or Down** button to select the Scene Lock screen.

Use ^, v or SEL
>Scene Lock
3. Press the **Select/Next** button to access the Scene Lock screen.
4. Press the **Up or Down** button to set the selected scene to On or OFF. Press the **Select/Next** button to save entry and proceed.

Scene Group: 01
Scene Lock <ON>
5. Press the **Select/Next** button once to return to the SCENE WIZARD screen or press the **Select/Next** button and then the **Wizards** button to return to the Main Screen.
6. Repeat procedure to unlock scene.

A Exclude Zones – Used to remove a particular zone or zones from executing in a programmed scene. Proceed as follows:

1. Press the **Wizards** button and then the **Up or Down** button (if necessary) to select the SCENE WIZARD. Press the **Select/Next** button to access the SCENE WIZARD.

Use ^, v or SEL
<SCENE WIZARD>



PROGRAMMING AND OPERATION

2. Press the **Up or Down** button to select the Exclude Zones screen.

Use ^, v or SEL
> Exclude Zones

3. Press the **Select/Next** button to access the Exclude Zones screen.

Select scene: 01
SCENE 1

4. Press the **Up or Down** button to select the desired scene to modify (01-32). Press the **Select/Next** button to save entry and proceed.

5. Press the **Up or Down** button to set the desired zone(s) to Exclude (1-8). Press the **Select/Next** button to save entry and proceed.

PANEL:01 ZONE:1
ZONE# 01-1

6. Press the **Select/Next** button to Exclude zone.

Press SEL
to Exclude Zone

7. Repeat Step 5 and 6 to exclude additional zones or press the Cancel/Previous button to proceed and return to the Main Screen.

ZONE WIZARD – The ZONE WIZARD programming provides settings for minimal levels and the option to lock and unlock zones. Proceed as follows:

B Adjust Minimum – Used to program the minimum lighting levels for specific Loads. Proceed as follows:

1. Press the **Wizards** button and then the **Up or Down** button to select the Zone Wizard. Press the **Select/Next** button to access the Zone Wizard.

Use ^, v or SEL
<ZONE WIZARD>

2. Press the **Select/Next** button to access the Adjust Min Level screen.

Use ^, v or SEL
>Adjust Minimum

3. **For Dimmers Only**, press the **Up or Down** buttons or the Dim/Bright buttons to set the individual zone minimum light levels.

Adjust Zones'
Minimum Levels

NOTE: DO NOT use the Dim Scene buttons to make this adjustment.

4. Press the **Select/Next** button to save entry and proceed.

Minimum Adjusted
Press SEL

5. Repeat procedure for programming of additional zones.

6. Press the **Select/Next** button to return the ZONE WIZARD screen.

A Lock/Unlock – Used to program the locking or unlocking of individual zones. Locking will render the Dim/Bright buttons nonfunctional. Proceed as follows:

7. Press the **Select/Next** button to access the ZONE WIZARD.

Use ^, v or SEL
<ZONE WIZARD>



PROGRAMMING AND OPERATION

8. Press the **Up or Down** buttons to select the Lock/Unlock screen.

Use ^, v or SEL
>Lock/Unlock

9. Press the **Select/Next** button to access the Lock/Unlock screen.

10. Press the **Left or Right** buttons to select the Panel and the **Up or Down** buttons to select the desired Zone (1-8) to lock or unlock.

PANEL: 01 ZONE:1
ZONE # 01-1

NOTE: If a zone is locked, press the **Select/Next** button to unlock

Zone # 01-1
Local: 1 Unlock?

11. Repeat procedure for programming of additional zones.

Zone Unlocked!
SEL to Continue

12. The ZONE WIZARD is now finished.

13. Press the **Wizards** button to return the Main Screen.

AIR WIZARD – The IR WIZARD allows for the programming and remote control of up to 8 lighting scenes using a Leviton IR Remote, Cat. No. NE210 or 32 lighting scenes using any standard IR Remote as well as MAX, OFF and GROUP DIM/BRIGHT.

NOTE: No matter what IR Remote is used, each IR code must still be programmed individually.

NOTE: To change an existing IR code, you must first remove that code and reprogram.

1. Press the **Wizards** button and then the **Up or Down** button to select the IR WIZARD. Press the **Select/Next** button to access the IR WIZARD.

Use ^, v or SEL
<IR WIZARD>

2. Press the **Select/Next** button to access the Learn IR screen. This setting is used to setup the programming commands for desired scenes.

Use ^, v or SEL
> Learn IR

3. Press the **Up or Down** button to select the desired Action (SCENE 01-32, DIM, BRIGHT, OFF, MAX, REMOVE ALL). Press the **Select/Next** button to save entry and proceed.

Select Action:
<SCENE 01>

4. Point the IR Remote at the Multizone Controller and press the button you wish to teach the command.

Press IR Button
Code: 0000 C:000

5. Press the selected button again to verify programming.

6. Press the **Select/Next** button to save entry and proceed.

7. Repeat procedure for additional command learning.

8. IR learning is now finished.

PROGRAMMING AND OPERATION

Removing IR learned commands –

9. Press the **Wizards** button and then the **Up or Down** button to select the IR WIZARD. Press the **Select/Next** button to access the IR WIZARD.

Use ^, v or SEL
<IR WIZARD>

10. Press the **Up or Down** button to select the Delete IR screen. This setting is used to remove the programming commands for sets scenes.

Use ^, v or SEL
> Delete IR

11. Press the **Select/Next** button to access the Delete IR screen.

Select to Remove
<REMOVE_ALL>

12. Press the **Up or Down** button to select the desired Action to Remove (SCENE 01-32, DIM, BRIGHT, OFF, MAX, REMOVE ALL). Press the **Select/Next** button to save entry and proceed.

13. Press the **Select/Next** button to remove the selected Action. Press the **Select/Next** button to save entry and proceed.

Code Removed

14. Repeat procedure for removal of additional commands.

15. IR command removal is now finished.

16. Press the **Wizards** button to return the Main Screen.

A TIMER WIZARD – The Timer Wizard allows for the programming of up to 64 events. Timers can trigger either a SCENE, MAX or an OFF command. Completion of the Wizard will enable preferred events to be activated. Proceed as follows:

Timers – Used to program Timer information, including schedules, astronomical settings, and scenes triggered. Proceed as follows:

1. Press the **Wizards** button and then the **Up or Down** button to select the TIMER WIZARD. Press the **Select/Next** button to access the TIMER WIZARD.

Use ^, v or SEL
<TIMER WIZARD>

2. Press the **Select/Next** button to access the Timers menu. This setting is used to setup the programming commands for selected Timers.

Use ^, v or SEL
>Timers

NOTES:

- If no Timers have been previously programmed or if you want to add a new Timer, proceed to Step 3A.
- If you want to modify an existing Timer, proceed to Step 3B.

3A.To Setup a New Timer (if there are existing Timers programmed, press the Up button to select the Add New Timer screen):

Press the **Select/Next** button to access the Add New Timer screen. Proceed to **Step 4**.

Add New Timer
Press SEL to Add



PROGRAMMING AND OPERATION

3B.To Modify an existing Timer: Press the **Select/Next** button to access the programmed Timer screen. Press the **Down** button to scroll through the existing Timers. Press the **Select/Next** button to select the desired Timer to modify. Proceed as follows:

NEW TIMER
T:01 DW:SMTWTFSH

4. Press the **Up or Down** and **Left or Right** buttons to Edit Timer Name (i.e., Porch Light). Press the **Select/Next** button to save entry and proceed.

Edit Name:
New Timer

5A.Press the **Up or Down** buttons to select the desired Timer Type (Daily, WeekDays, Weekends, Holidays, Weekly). Press the **Select/Next** button to save entry and proceed.

Sel Timer Type
<Daily>

NOTE: If Weekly is selected, you must select the desired day of the week and proceed to **Step 5B**. All other selections, proceed to **Step 6A**.

NOTE:

Weekly	= Sunday through Saturday and Holiday, individually
Weekdays	= Monday through Friday, inclusive
Daily	= Everyday

5B.Press the **Up or Down** buttons to select the desired Day of Week (Sunday-Saturday, Holiday. Press the **Select/Next** button to save entry and proceed.

Select Day of Week: <Sunday>

6A.Press the **Up or Down** buttons to select the desired Time Type (Time of Day, Dawn–offset, Dawn+offset, Dusk–offset, Dusk+offset). The Offset setting is used to add (+) or subtract (-) an entered time based on the dawn/dusk calculated from the Controller. Press the **Select/Next** button to save entry and proceed.

Select Time Type
<Dusk-offset>

NOTE: If Time of Day is selected, you must select the desired time and proceed to **Step 6B**.

If any other time is selected, press the **Select/Next** button and proceed to **Step 6C** to set Offset time.

6B.Press the **Up or Down** and **Left or Right** buttons to set the New Timer's time (i.e., 01:00 AM). Press the **Select/Next** button to save entry and proceed.

New Timer
T:01 12:00 AM

6C.Press the **Up or Down** and **Left or Right** buttons to select the desired Offset time (i.e., -02:00). Press the **Select/Next** button to save entry and proceed.

New Timer
T:01 -2:00 PM

7. Press the **Up or Down** buttons to select the desired Action (SCENE 01-32, OFF, MAX). Press the **Select/Next** button to save entry and proceed.

Select Action
<SCENE 01>



PROGRAMMING AND OPERATION

8. Press the **Up or Down** buttons to select the Timer Status (DELETE, ENABLE, DISABLE). Press the **Select/Next** button to save entry and proceed.

NEW TIMER
STATUS: <ENABLE>

9. Repeat procedure for setting up additional Timers.

10. Press the **Select/Next** button to return the TIMER WIZARD screen.

Location Setup – The Multizone Controller will calculate the dawn/dusk times based on the Latitude/Longitude selected.

11. Press the **Select/Next** button to access the TIMER WIZARD.

Use ^, v or SEL
<TIMER WIZARD>

12. Press the **Up or Down** buttons to select the Location Setup screen.

Use ^, v or SEL
>Location Setup

13. Press the **Select/Next** button to access the Location Setup menu.

14. Press the **Up or Down** buttons to select the desired Time Zone (Samoa, Atlantic, Eastern, Central, Mountain, Pacific, Alaska, or Hawaii Standard). Press the **Select/Next** button to save entry and proceed.

Select Time Zone
<EASTERN Stndrd>

15. Press the **Up or Down** buttons to select the appropriate Longitude for your location (**refer to the Appendix—to find appropriate settings for your location—and the Longitude/Latitude Chart**).

Enter Longitude
West> 000 Deg

16. Press the **Up or Down** buttons to select the appropriate Latitude for your location **refer to the Appendix—to find appropriate settings for your location—and the Longitude/Latitude Chart**.

Enter Latitude
North> 000 Deg

17. Location Setup is now Finished.

Location Setup
Finished!

Holiday – Used to setup a timed Holiday schedule.

18. Press the **Select/Next** button to access the TIMER WIZARD.

Use ^, v or SEL
<TIMER WIZARD>

19. Press the **Up or Down** buttons to select the Holiday screen.

Use ^, v or SEL
>Holiday

20. Press the **Select/Next** button to access the Holiday menu.

NOTES:

- If no Holidays have been previously programmed or you want to add a new Holiday, proceed to Step **21A**.
- If you want to modify an existing Holiday, proceed to Step **21B**.



PROGRAMMING AND OPERATION

21A.To Setup a New Holiday (if there are existing Holidays programmed, press the Up button to select the Add New Holiday screen):

Press the **Select/Next** button to access the Add New Holiday screen. Proceed to **Step 22**.

Add New Holiday
Press SEL to Add

21B.To Modify an existing Holiday: Press the **Select/Next** button to access the programmed Holiday screen. Press the **Down** button to scroll through the existing Holidays. Press the **Select/Next** button to select the desired Holiday to modify. Proceed as follows:

New Holiday
T:01 D:3/28

22. Press the **Up or Down** and **Left or Right** buttons to Edit Holiday Name (i.e., New Years Day). Press the **Select/Next** button to save entry and proceed.

Edit Name:
New Holiday

23. Press the **Up or Down** and **Left or Right** buttons to Edit Holiday Date (i.e., 01/02, this is month and day). Press the **Select/Next** button to save entry and proceed.

NEW HOLIDAY
Edit Date: 3/28

24. Press the **Up or Down** buttons to select the Holiday Status (DELETE, ENABLE, DISABLE). Press the **Select/Next** button to save entry and proceed.

NEW HOLIDAY
STATUS: <ENABLE>

25. Repeat procedure for setting up additional holidays.

26. The TIMER WIZARD is now finished.

27. Press the **Wizards** button to return the Main Screen.

CONFIG WIZARD (for partitioning only) – The CONFIG WIZARD programming allows for the setting and editing of up to 256 configurations. It allows the user to change the name and configuration already setup in the Setup/Panels menu (i.e., add partition, change to group 2). Proceed as follows:

NOTE: If configurations have not been already setup, run through the Setup/Panel Wizard.

Set Config – Used to change to a different configuration when room partitions are changed.

1. Press the **Wizards** button and then the **Up or Down** button to select the Config Wizard. Press the **Select/Next** button to access the CONFIG WIZARD.

Use ^, v or SEL
<CONFIG WIZARD>

2. Press the **Select/Next** button to access the Set Config screen.

Use ^, v or SEL
>Set Config



PROGRAMMING AND OPERATION

3. Press the **Up or Down** buttons to select the desired Configuration (001-256).

CONFIG 001
SELECT: 001

4. Press the **Select/Next** button to save entry and return to the CONFIG WIZARD screen.

5. Repeat procedure for setting up additional configurations.

Edit Config – Used to rename existing configurations.

6. Press the **Select/Next** button to access the CONFIG WIZARD.

Use ^, v or SEL
<CONFIG WIZARD>

7. Press the **Up or Down** buttons to select the Edit Config screen.

Use ^, v or SEL
>Edit Config

8. Press the **Select/Next** button to access the Edit Config screen.

9. Press the **Up or Down** buttons to select the desired Configuration to edit (001-256). Press the **Select/Next** button to save entry and proceed.

CONFIG 001
SELECT: 001

10. Press the **Up or Down** and Left and Right buttons to edit Configuration name.

Edit Name: 001
CONFIG 001

11. Press the **Select/Next** button to save entry and return to the CONFIG WIZARD screen.

12. Repeat procedure for setting up additional configurations.

13. The CONFIG WIZARD is now finished.

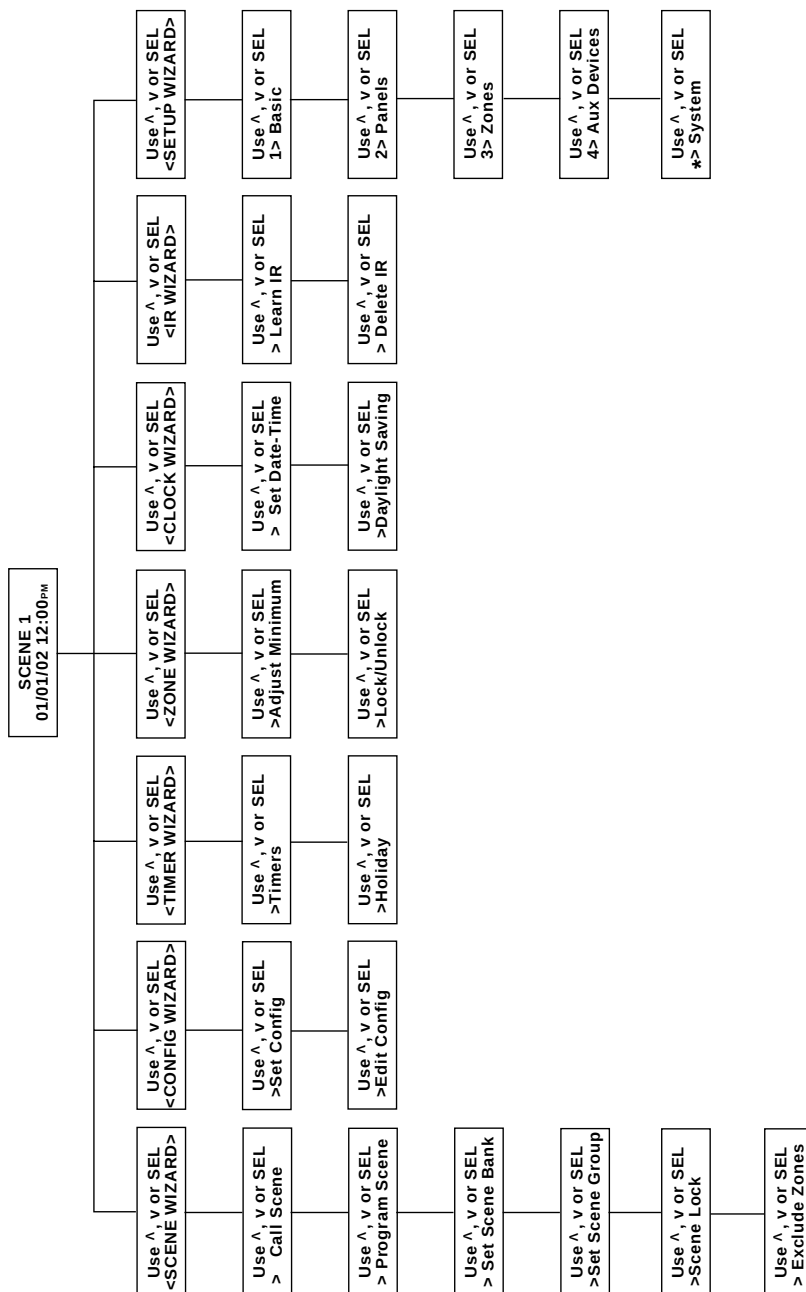
14. Press the **Wizards** button to return the Main Screen.



MENU TREE

HIGH LEVEL MENU TREE

NOTE: This sequence shows the order in which each menu will appear when scrolling through the menus using the Down Function Button.





TROUBLESHOOTING

TESTING AND TROUBLESHOOTING

Every D3208 unit local operations should be separately tested. That means checking that power, dimming control, scene control, and if applicable, the infrared receiver is working properly. You can either test a single function one controller at a time or you may find it easier to run through each test on a single controller before moving to the next controller, if installed (less walking around). In either case, you can skip to the next (headlined) test once the unit has passed the test at hand. If a unit does not pass a test, run through the bulleted suggestions that follow it. Don't forget to redo the test when you think you may have found the problem to verify that the problem has been solved.

TESTING EACH D3208 CONTROLLER

BEFORE YOU START: Before you can test anything you must first restore power at the circuit breaker or fuse.

Power:

1. Check for power to EACH Multizone Controller by verifying that the LCD on the front of each unit turns ON. If all are, THE D3208 HAS PASSED THE TEST.

IF NOTHING ILLUMINATES there may be a problem with the power.

2. Check that the ballast is wired correctly.

IF THE LCD IS HARD TO READ:

3. Remove the overlay by gently lifting and releasing the tabs.
4. Use a small screwdriver to turn the potentiometer slightly, until the desired look is achieved.
5. Replace the overlay by carefully inserting lower tabs into front slots of frame, then bow overlay so that top tab slips into top slot.

Dimming Control:

1. Verify that each zone DIMS and BRIGHTENS and turns ON and OFF as expected (and that the LCD displays the proper light level) by pushing the UP  or DOWN  arrows. If the lights and the contents of the LCD window adjust appropriately, the D3208 HAS PASSED THE TEST.

IF THE LIGHTS DO NOT RESPOND AS EXPECTED:

- Push the Zone Info button and make sure that the screen displays the correct load type for each zone on the bottom left-hand corner of the screen.
ZI = incandescent ZF = fluorescent ZR = for relay, non-dimming load
If the load types are incorrect, reprogram them.
- Push the Zone Info button and if the bottom Wizard line reads "LOCKED," unlock it via the Lock/Unlock screen in the Zone Wizard.



TROUBLESHOOTING

- Make sure the lamps are not burned out. If any are, replace them.
- Refer to Wiring Diagrams for correct wiring.
- IF THE LIGHTS REMAIN AT FULL BRIGHTNESS NO MATTER WHAT YOU PUSH there must be a short.
- Before you replace the D3208 with a new one, make sure that the Loads you plan on attaching to the D3208 are within the limits rated by the device. The D3208 unit is rated for the following maximum capacity: 1920W/VA per unit, 1000W/VA per zone, and 1200W/VA per side. Adding power extenders can increase this capacity.
- You should also check that you have adequate voltage surge suppression for these lines. Inadequate protection may cause shorts.

Scene Control:

1. Check each scene by pushing each Scene Button and verifying (a) that the LCD displays the right scene name and (b) that the loads adjust to the right levels. If the lights adjust appropriately, the D3208 HAS PASSED THE TEST.

IF THE SCENE DOES NOT LOOK RIGHT:

2. Look at the LCD when you push the Scene Button and make sure the scene is not locked. If it reads "LOCKED", unlock it via the Scene Lock screen within the Scene Wizard.
3. Verify the Fade Time. It could be set for such a long time that your adjustment will happen too slowly. This can be checked and reprogrammed in the Scene Wizard.

Infrared Receiver:

Check this only with Multizone Controllers to be used with a remote control.

No matter which remote you use, a Dimensions NE210 or any other standard remote, it must be programmed to each controller you want it to work with.

- Verify that the programmed buttons on the remote work as intended by pushing each one.
- If the remote is unresponsive, make sure the batteries are good and installed correctly.
- If that is not the problem, reprogram the IR codes.

TESTING D3208'S NETWORKED TOGETHER

Do these tests only if you have multiple D3208's working together via LCnet wiring.

Scene Control:

You should perform this test as long as all controllers have the ability to work as one group. This is always the case if there is no partitioning. The default out of



TROUBLESHOOTING

the box is one group. If your installation does incorporate partitioning, you should perform this test AS LONG AS you have programmed a configuration which links all D3208's together in one group.

1. First make sure the system is in the configuration where all attached devices are in a single group. (This will automatically be the case if your installation is not accommodating combine/separate functionality for partitions.)
2. Press a scene button and make sure that the other D3208's go to that same scene. The same scene button should light up on each unit. If this works as expected, the D3208 HAS PASSED THE TEST.

If they are not behaving as a single unit:

- Press the scene button again and check to see if the scene is locked. If it reads "LOCKED," unlock it via the Scene Lock screen within the Scene Wizard.
- Press each active Zone Info button to check to see if any zones are locked. If any are locked, unlock them via the Lock/Unlock screen in the Zone Wizard.
- Check the LCnet Wiring Diagram.

Remote D3208 Access:

If you have programmed any of the D3208's to remotely control the loads attached to other D3208's on the same LCnet you should test that this is functioning properly. Run through this test for any D3208 that you have programmed for remote access to other Zone Controllers.

Go to each controller you have programmed for remote access and:

1. Press the Page Zones button and select the first panel for remote access. As soon the panel number is "selected" you should notice that the zone LED's shift from displaying their local zones to the zone information and light levels of the loads attached to the remote D3208 just selected.
2. Press group dim or brighten to verify that the lights wired to the correct remote panel actually dim or brighten. If they do not.
 - Reprogram the D3208 you are at using the Setup Wizard.
 - If this does not work, check the LCnet Wiring Diagram.



TROUBLESHOOTING

Partitioning:

Perform these tests only in installations where the combine/separate partitioning feature is being used.

At this point you should make sure that the groups you have set up are appropriate for the various partition setups you are trying to accommodate. If you have been given filled-in D3208 Partition Setup Forms, (which you probably used as your guide while programming combine and separate configurations) please get those out now. You will notice a checkbox that you can use to verify that Dimensions was programmed to these specs. If you were not given this completed form, use the blank form which you can find in Appendix A of this manual to record this test and to compare it against any documents or verbal instructions you may have been given regarding partitioning. (Make one copy for each configuration.)

We suggest you run through every configuration and if you find a discrepancy, after all configurations have been checked, you should go to the instructions and reprogram the group or configuration.

1. If possible, open all the partitions so that you have one big space and can see all lighting. Record or verify where the various D3208 Controller Panels are located, and which bank of lights each controls.
2. Now go to the Configuration Wizard and choose the first configuration, verifying or recording its name.
3. Press the first Scene Button.
4. Press any Zone Info button and note what group the D3208 is in. Then DIM or BRIGHTEN the lights and make note of which lights are being controlled. (This should match.)
5. If some lights were not part of that group then go to another D3208 that WAS NOT part of that group and return to. Repeat this process until you have run through every group of lights in that single configuration.
6. Return to Step 1 and select the next available configuration until you have run through every configuration.



APPENDIX – LATITUDE AND LONGITUDE

STATE/CITY	LAT	LONG	STATE/CITY	LAT	LONG
ALABAMA			Downey	34° N	118° W
Alexander City	33° N	86° W	El Cajon	33° N	117° W
Anniston AP	34° N	86° W	El Cerrito AP (S)	33° N	116° W
Auburn	33° N	85° W	Escondido	33° N	117° W
Birmingham AP	34° N	87° W	Eureka/Arcata AP	41° N	124° W
Decatur	35° N	87° W	Fairfield-Trafis AFB	38° N	122° W
Dothan AP	31° N	85° W	Fresno AP (S)	37° N	120° W
Florence AP	35° N	88° W	Hamilton AFB	38° N	122° W
Gadsden	34° N	86° W	Laguna Beach	34° N	118° W
Huntsville AP	35° N	87° W	Livermore	38° N	122° W
Mobile AP	31° N	88° W	Lompoc, Vandenberg AFB	35° N	121° W
Mobile Co	31° N	88° W	Long Beach AP	34° N	118° W
Montgomery AP	32° N	86° W	Los Angeles AP (S)	34° N	118° W
Selma-Craig AFB	32° N	88° W	Los Angeles CO (S)	34° N	118° W
Talladega	33° N	86° W	Merced-Castle AFB	37° N	121° W
Tuscaloosa AP	33° N	88° W	Modesto	38° N	121° W
ALASKA			Monterey	37° N	122° W
Anchorage AP	61° N	150° W	Napa	38° N	122° W
Barrow (S)	71° N	157° W	Needles AP	35° N	115° W
Fairbanks AP (S)	65° N	148° W	Oakland AP	38° N	122° W
Juneau AP	58° N	135° W	Oceanside	33° N	117° W
Kodiak	58° N	152° W	Ontario	34° N	118° W
Nome AP	64° N	165° W	Oxnard	34° N	119° W
ARIZONA			Palmdale AP	35° N	118° W
Douglas AP	31° N	110° W	Palm Springs	34° N	117° W
Flagstaff AP	35° N	112° W	Pasadena	34° N	118° W
Fort Huachuca AP (S)	32° N	110° W	Petaluma	38° N	123° W
Kingman AP	35° N	114° W	Pomona Co	34° N	118° W
Nogales	31° N	111° W	Redding AP	41° N	122° W
Phoenix AP (S)	33° N	112° W	Redlands	34° N	117° W
Prescott AP	35° N	112° W	Richmond	38° N	122° W
Tucson AP (S)	32° N	111° W	Riverside-March AFB (S)	34° N	117° W
Winslow AP	35° N	111° W	Sacramento AP	39° N	121° W
Yuma AP	33° N	115° W	Salinas AP	37° N	122° W
ARKANSAS			San Bernadino, Norton AFB	34° N	117° W
Blytheville AFB	36° N	90° W	San Diego AP	33° N	117° W
Camden	34° N	93° W	San Fernando	34° N	118° W
El Dorado AP	33° N	93° W	San Francisco AP	38° N	122° W
Fayetteville AP	36° N	94° W	San Francisco Co	38° N	122° W
Fort Smith AP	35° N	94° W	San Jose AP	37° N	122° W
Hot Springs	34° N	93° W	San Louis Obispo	35° N	121° W
Jonesboro	36° N	91° W	Santa Ana AP	34° N	118° W
Little Rock AP (S)	35° N	92° W	Santa Barbara MAP	34° N	120° W
Pine Bluff AP	34° N	92° W	Santa Cruz	37° N	122° W
Texarkana AP	33° N	94° W	Santa Maria AP (S)	35° N	120° W
CALIFORNIA			Santa Monica CIC	34° N	118° W
Bakersfield AP	35° N	119° W	Santa Paula	34° N	119° W
Barstow AP	35° N	117° W	Santa Rosa	39° N	123° W
Blythe AP	34° N	115° W	Stockton AP	38° N	121° W
Burbank AP	34° N	118° W	Ukiah	39° N	123° W
Chico	40° N	122° W	Visalia	36° N	119° W
Concord	38° N	122° W	Yreka	42° N	123° W
Covina	34° N	118° W	Yuba City	39° N	122° W
Crescent City AP	42° N	125° W	COLORADO		
38			Alamosa AP	37° N	106° W
			Boulder	40° N	105° W
			Colorado Springs AP	39° N	105° W
			Denver AP	40° N	105° W
			Durango	37° N	108° W
			Fort Collins	41° N	105° W



APPENDIX – LATITUDE AND LONGITUDE

<u>STATE/CITY</u>	<u>LAT</u>	<u>LONG</u>	<u>STATE/CITY</u>	<u>LAT</u>	<u>LONG</u>
Grand Junction AP (S)	39° N	109° W	Brunswick	31° N	81° W
Greeley	40° N	105° W	Columbus, Lawson AFB	33° N	85° W
Lajunta AP	38° N	103° W	Dalton	35° N	85° W
Leadville	39° N	106° W	Dublin	32° N	83° W
Pueblo AP	38° N	104° W	Gainesville	34° N	84° W
Sterling	48° N	103° W	Griffin	33° N	84° W
Trinidad	37° N	104° W	LaGrange	33° N	85° W
			Macon AP	33° N	84° W
CONNECTICUT			Marietta, Dobbins AFB	34° N	85° W
Bridgeport AP	41° N	73° W	Savannah	32° N	81° W
Hartford, Brainerd Field	42° N	73° W	Valdosta-Moody AFB	31° N	83° W
New Haven AP	41° N	74° W	Waycross	31° N	82° W
New London	41° N	72° W			
Norwalk	41° N	73° W	HAWAII		
Norwich	42° N	72° W	Hilo AP (S)	20° N	155° W
Waterbury	42° N	73° W	Honolulu AP	21° N	158° W
Windsor Locks, Bradley Fld	42° N	73° W	Kaneohe Bay MCAS	21° N	158° W
			Wahiawa	21° N	158° W
DELAWARE			IDAHO		
Dover AFB	39° N	75° W	Boise AP (S)	44° N	116° W
Wilmington AP	40° N	76° W	Burley	43° N	114° W
			Coeur D'Alene AP	48° N	117° W
DISTRICT OF COLUMBIA			Idaho Falls AP	44° N	112° W
Andrews AFB	38° N	76° W	Lewiston AP	46° N	117° W
Washington, National AP	39° N	77° W	Moscow	47° N	117° W
			Mountain Home AFB	43° N	116° W
FLORIDA			Pocatello AP	43° N	113° W
Belle Glade	27° N	81° W	Twin Falls AP (S)	42° N	114° W
Cape Kennedy AP	28° N	81° W			
Daytona Beach AP	29° N	81° W	ILLINOIS		
E Fort Lauderdale	26° N	80° W	Aurora	42° N	88° W
Fort Myers AP	27° N	82° W	Belleville, Scott AFB	39° N	90° W
Fort Pierce	27° N	80° W	Bloomington	40° N	89° W
Gainesville AP (S)	30° N	82° W	Carbondale	38° N	89° W
Jacksonville AP	30° N	82° W	Champaign/Urbana	40° N	88° W
Key West AP	25° N	82° W	Chicago, Midway AP	42° N	88° W
Lakeland Co (S)	28° N	82° W	Chicago, O'Hare AP	42° N	88° W
Miami AP (S)	26° N	80° W	Chicago Co	42° N	88° W
Miami Beach Co	26° N	80° W	Danville	40° N	88° W
Ocala	29° N	82° W	Decatur	40° N	89° W
Orlando AP	29° N	81° W	Dixon	42° N	89° W
Panama City, Tyndall AFB	30° N	86° W	Elgin	42° N	88° W
Pensacola Co	30° N	87° W	Freeport	42° N	90° W
St. Augustine	30° N	81° W	Galesburg	41° N	90° W
St. Petersburg	28° N	83° W	Greenville	39° N	89° W
Stanford	29° N	81° W	Joliet	42° N	88° W
Sarasota	27° N	83° W	Kankakee	41° N	88° W
Tallahassee AP (S)	30° N	84° W	La Salle/Peru	41° N	89° W
Tampa AP (S)	28° N	83° W	Macomb	40° N	91° W
West Palm Beach AP	27° N	80° W	Moline AP	41° N	91° W
			Mt Vernon	38° N	89° W
GEORGIA			Peoria AP	41° N	90° W
Albany, Turner AFB	32° N	84° W	Quincy AP	40° N	91° W
Americus	32° N	84° W	Rantoul, Chanute AFB	40° N	88° W
Athens	33° N	83° W	Rockford	42° N	89° W
Atlanta AP (S)	34° N	84° W	Springfield AP	40° N	90° W
Augusta AP	33° N	82° W	Waukegan	42° N	88° W



APPENDIX – LATITUDE AND LONGITUDE

STATE/CITY	LAT	LONG	STATE/CITY	LAT	LONG
INDIANA			KENTUCKY		
Anderson	40° N	86° W	Ashland	39° N	83° W
Bedford	39° N	86° W	Bowling Green AP	36° N	86° W
Bloomington	39° N	87° W	Corbin AP	37° N	84° W
Columbus, Bakalar AFB	39° N	86° W	Covington AP	39° N	85° W
Crawfordsville	40° N	87° W	Hopkinsville, Ft Campbell	37° N	88° W
Evansville AP	38° N	88° W	Lexington AP (S)	38° N	85° W
Fort Wayne AP	41° N	85° W	Louisville AP	38° N	86° W
Goshen AP	42° N	86° W	Madisonville	37° N	87° W
Hobart	42° N	87° W	Owensboro	38° N	87° W
Huntington	41° N	85° W	Paducah AP	37° N	89° W
Indianapolis AP	40° N	86° W			
Jeffersonville	38° N	86° W	LOUISIANA		
Kokomo	40° N	86° W	Alexandria AP	31° N	92° W
Lafayette	40° N	86° W	Baton Rouge AP	31° N	91° W
La Porte	42° N	87° W	Bogalusa	31° N	90° W
Marion	40° N	86° W	Houma	30° N	91° W
Muncie	40° N	85° W	Lafayette AP	30° N	92° W
Peru, Grissom AFB	41° N	86° W	Lake Charles AP (S)	30° N	93° W
Richmond AP	40° N	85° W	Minden	33° N	93° W
Shelbyville	40° N	86° W	Monroe AP	33° N	92° W
South Bend AP	42° N	86° W	Natchitoches	32° N	93° W
Terre Haute AP	39° N	87° W	New Orleans AP	30° N	90° W
Valparaiso	42° N	87° W	Shreveport AP (S)	32° N	94° W
Vincennes	39° N	88° W			
IOWA			MAINE		
Ames (S)	42° N	94° W	Augusta AP	44° N	70° W
Burlington AP	41° N	91° W	Bangor, Dow AFB	45° N	69° W
Cedar Rapids AP	42° N	92° W	Caribou AP (S)	47° N	68° W
Clinton	42° N	90° W	Lewiston	44° N	70° W
Council Bluffs	41° N	96° W	Millinocket AP	46° N	69° W
Des Moines AP	42° N	94° W	Portland (S)	44° N	70° W
Dubuque	42° N	91° W	Waterville	45° N	70° W
Fort Dodge	43° N	95° W			
Iowa City	42° N	92° W	MARYLAND		
Keokuk	40° N	91° W	Baltimore AP	39° N	77° W
Marshalltown	42° N	93° W	Baltimore Co	39° N	76° W
Mason City AP	43° N	93° W	Cumberland	40° N	79° W
Newton	42° N	93° W	Frederick AP	40° N	78° W
Ottumwa AP	41° N	92° W	Hagerstown	40° N	78° W
Sioux City AP	42° N	96° W	Salisbury (S)	38° N	75° W
Waterloo	43° N	92° W			
KANSAS			MASSACHUSETTS		
Atchison	40° N	95° W	Boston AP	42° N	71° W
Chanute AP	38° N	95° W	Clinton	42° N	72° W
Dodge City AP (S)	38° N	100° W	Fall River	42° N	71° W
El Dorado	38° N	97° W	Framingham	42° N	71° W
Emporia	38° N	96° W	Gloucester	43° N	71° W
Garden City AP	38° N	101° W	Greenfield	42° N	72° W
Goodland AP	39° N	102° W	Lawrence	43° N	71° W
Great Bend	38° N	99° W	Lowell	43° N	71° W
Hutchinson AP	38° N	98° W	New Bedford	42° N	71° W
Liberal	37° N	101° W	Pittsfield AP	42° N	73° W
Manhattan, Ft Riley (S)	39° N	97° W	Springfield, Westover AFB	42° N	73° W
Parsons	37° N	96° W	Taunton	42° N	71° W
Russell AP	39° N	99° W	Worcester AP	42° N	72° W
Salina	39° N	98° W			
Topeka AP	39° N	96° W			
Wichita AP	38° N	97° W			

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APPENDIX – LATITUDE AND LONGITUDE

STATE/CITY	LAT	LOING	STATE/CITY	LAT	LONG
MICHIGAN			Jefferson City	39° N	92° W
Adrian	42° N	84° W	Joplin AP	37° N	94° W
Alpena AP	45° N	83° W	Kansas City AP	39° N	95° W
Battle Creek AP	42° N	85° W	Kirksville AP	40° N	93° W
Benton Harbor AP	42° N	86° W	Mexico	39° N	92° W
Detroit	42° N	83° W	Moberly	39° N	92° W
Escanaba	46° N	87° W	Poplar Bluff	37° N	90° W
Flint AP	43° N	84° W	Rolla	38° N	92° W
Grand Rapids AP	43° N	86° W	St. Joseph AP	40° N	95° W
Holland	43° N	86° W	St. Louis AP	39° N	90° W
Jackson AP	42° N	84° W	St. Louis CO	39° N	91° W
Kalamazoo	42° N	86° W	Sikeston	37° N	90° W
Lansing AP	43° N	85° W	Sedalia—Whiteman AFB	39° N	94° W
Marquette Co	47° N	87° W	Sikeston	37° N	90° W
Mt Pleasant	44° N	85° W	Springfield AP	37° N	93° W
Muskegon AP	43° N	86° W			
Pontiac	43° N	83° W	MONTANA		
Port Huron	43° N	82° W	Billings AP	46° N	109° W
Saginaw AP	44° N	84° W	Bozeman	46° N	111° W
Sault Ste. Marie AP (S)	46° N	84° W	Butte AP	46° N	112° W
Traverse City AP	45° N	86° W	Cut Bank AP	49° N	112° W
Ypsilanti	42° N	84° W	Glasgow AP (S)	48° N	107° W
			Glendive	47° N	105° W
MINNESOTA			Great Falls AP (S)	47° N	111° W
Albert Lea	44° N	93° W	Havre	49° N	110° W
Alexandria AP	46° N	95° W	Helena AP	47° N	112° W
Bemidji AP	48° N	95° W	Kalispell AP	48° N	114° W
Brainerd	47° N	94° W	Lewiston AP	47° N	109° W
Duluth AP	47° N	92° W	Livingston AP	46° N	110° W
Fairbault	44° N	93° W	Miles City AP	46° N	106° W
Fergus Falls	46° N	96° W	Missoula AP	47° N	114° W
International Falls AP	49° N	93° W			
Mankato	44° N	93° W	NEBRASKA		
Minneapolis/St. Paul AP	45° N	94° W	Beatrice	40° N	97° W
Rochester AP	44° N	92° W	Chadron AP	43° N	103° W
St. Cloud AP (S)	46° N	94° W	Columbus	41° N	97° W
Virginia	47° N	92° W	Fremont	41° N	96° W
Willmar	45° N	93° W	Grand Island AP	41° N	98° W
Winona	44° N	92° W	Hastings	41° N	98° W
			Kearney	41° N	99° W
MISSISSIPPI			Lincoln Co (S)	41° N	97° W
Biloxi—Keesler AFB	30° N	89° W	McCook	40° N	101° W
Clarksdale	34° N	91° W	Norfolk	42° N	97° W
Columbus AFB	33° N	88° W	North Platte AP (S)	41° N	101° W
Greenville AFB	34° N	91° W	Omaha AP	41° N	96° W
Greenwood	33° N	90° W	Scottsbluff AP	42° N	104° W
Hattiesburg	31° N	89° W	Sidney AP	41° N	103° W
Jackson AP	32° N	90° W			
Laurel	31° N	89° W	NEVADA		
Mccomb AP	32° N	90° W	Carson City	39° N	120° W
Meridian AP	32° N	89° W	Elko AP	41° N	116° W
Natchez	32° N	91° W	Ely AP (S)	39° N	115° W
Tupelo	34° N	89° W	Las Vegas AP (S)	36° N	115° W
Vicksburg Co	32° N	91° W	Lovelock AP	40° N	119° W
			Reno AP (S)	39° N	120° W
MISSOURI			Reno Co	39° N	120° W
Cape Girardeau	37° N	90° W	Tonopah AP	38° N	117° W
Columbia AP (S)	39° N	92° W	Winnemucca AP	41° N	118° W
Farmington AP	38° N	90° W			
Hannibal	40° N	91° W			



APPENDIX – LATITUDE AND LONGITUDE

<u>STATE/CITY</u>	<u>LAT</u>	<u>LONG</u>	<u>STATE/CITY</u>	<u>LAT</u>	<u>LONG</u>
NEW HAMPSHIRE			NYC-La Guardia AP	41° N	74° W
Berlin	44° N	71° W	Niagara Falls AP	43° N	80° W
Claremont	43° N	72° W	Olean	42° N	79° W
Concord AP	43° N	71° W	Oneonta	43° N	75° W
Keene	43° N	72° W	Oswego Co	43° N	77° W
Laconia	43° N	71° W	Plattsburg AFB	45° N	73° W
Manchester, Grenier AFB	43° N	71° W	Poughkeepsie	42° N	74° W
Portsmouth, Pease AFB	43° N	71° W	Rochester AP	43° N	78° W
			Rome, Griffiss AFB	43° N	75° W
			Schenectady (S)	43° N	74° W
			Suffolk County AFB	41° N	73° W
			Syracuse AP	43° N	76° W
			Utica	43° N	75° W
			Watertown	44° N	76° W
NEW JERSEY			NORTH CAROLINA		
Atlantic City CO	39° N	74° W	Asheville AP	35° N	83° W
Long Branch	40° N	74° W	Charlotte AP	35° N	81° W
Newark AP	41° N	74° W	Durham	36° N	79° W
New Brunswick	40° N	74° W	Elizabeth City AP	36° N	76° W
Paterson	41° N	74° W	Fayetteville, Pope AFB	35° N	79° W
Phillipsburg	41° N	75° W	Goldsboro, Seymour-Johnson	35° N	78° W
Trenton Co	40° N	75° W	Greensboro AP (S)	36° N	80° W
Vineland	39° N	75° W	Greenville	36° N	77° W
			Henderson	36° N	78° W
NEW MEXICO			Hickory	36° N	81° W
Holloman AFB	33° N	106° W	Jacksonville	35° N	78° W
Albuquerque AP (S)	35° N	107° W	Lumberton	35° N	79° W
Artesia	33° N	104° W	New Bern AP	35° N	77° W
Carlsbad AP	32° N	104° W	Raleigh/Durham AP (S)	36° N	79° W
Clovis AP	34° N	103° W	Rocky Mount	36° N	78° W
Farmington AP	37° N	108° W	Wilmington AP	34° N	78° W
Gallup	36° N	109° W	Winston-Salem AP	36° N	80° W
Grants	35° N	108° W			
Hobbs AP	33° N	103° W	NORTH DAKOTA		
Las Cruces	32° N	107° W	Bismarck AP (S)	47° N	101° W
Los Alamos	36° N	106° W	Devils Lake	48° N	99° W
Raton AP	37° N	104° W	Dickinson AP	47° N	103° W
Roswell, Walker AFB	33° N	105° W	Fargo AP	47° N	97° W
Santa Fe CO	36° N	106° W	Grand Forks AP	48° N	97° W
Silver City AP	33° N	108° W	Jamestown AP	47° N	99° W
Socorro AP	34° N	107° W	Minot AP	48° N	101° W
Tucumcari AP	35° N	104° W	Williston	48° N	104° W
NEW YORK			OHIO		
Albany AP (S)	43° N	74° W	Akron-Canton AP	41° N	81° W
Albany Co	43° N	74° W	Ashtabula	42° N	81° W
Auburn	43° N	77° W	Athens	39° N	82° W
Batavia	43° N	78° W	Bowling Green	41° N	84° W
Binghamton AP	42° N	76° W	Cambridge	40° N	82° W
Buffalo AP	43° N	79° W	Chillicothe	39° N	83° W
Cortland	43° N	76° W	Cincinnati Co	39° N	85° W
Dunkirk	42° N	79° W	Cleveland AP (S)	41° N	82° W
Elmira AP	42° N	77° W	Columbus AP (S)	40° N	83° W
Geneva (S)	43° N	77° W	Dayton AP	40° N	84° W
Glens Falls	43° N	74° W	Defiance	41° N	84° W
Gloversville	43° N	74° W	Findlay AP	41° N	84° W
Hornell	42° N	78° W	Fremont	41° N	83° W
Ithaca (S)	42° N	76° W	Hamilton	39° N	85° W
Jamestown	42° N	79° W	Lancaster	40° N	83° W
Kingston	42° N	74° W			
Lockport	43° N	79° W			
Massena AP	45° N	75° W			
Newburgh, Stewart AFB	41° N	74° W			
NYC-Central Park (S)	41° N	74° W			
NYC-Kennedy AP	41° N	74° W			

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APPENDIX – LATITUDE AND LONGITUDE

STATE/CITY	LAT	LONG	STATE/CITY	LAT	LONG
Lima	41° N	84° W	Meadville	42° N	80° W
Mansfield AP	41° N	83° W	New Castle	41° N	80° W
Marion	41° N	83° W	Philadelphia AP	40° N	75° W
Middletown	40° N	84° W	Pittsburgh AP	40° N	80° W
Newark	40° N	82° W	Pittsburgh Co	40° N	80° W
Norwalk	41° N	83° W	Reading Co	40° N	76° W
Portsmouth	39° N	83° W	Scranton/Wilkes-Barre	41° N	76° W
Sandusky Co	41° N	83° W	State College (S)	41° N	78° W
Springfield	40° N	84° W	Sunbury	41° N	77° W
Steubenville	40° N	81° W	Uniontown	40° N	80° W
Toledo AP	42° N	84° W	Warren	42° N	79° W
Warren	41° N	81° W	West Chester	40° N	76° W
Wooster	41° N	82° W	Williamsport AP	41° N	77° W
Youngstown AP	41° N	81° W	York	40° N	77° W
Zanesville AP	40° N	82° W			
OKLAHOMA			RHODE ISLAND		
Ada	35° N	97° W	Newport (S)	41° N	71° W
Altus AFB	35° N	99° W	Providence AP	42° N	71° W
Ardmore	34° N	97° W			
Bartlesville	37° N	96° W	SOUTH CAROLINA		
Chickasha	35° N	98° W	Anderson	34° N	83° W
Enid, Vance AFB	36° N	98° W	Charleston AFB (S)	33° N	80° W
Lawton AP	35° N	98° W	Charleston Co	33° N	80° W
McAlester	35° N	96° W	Columbia AP	34° N	81° W
Muskogee AP	36° N	95° W	Florence AP	35° N	80° W
Norman	35° N	97° W	Georgetown	33° N	79° W
Oklahoma City AP (S)	35° N	98° W	Greenville AP	35° N	82° W
Ponca City	37° N	97° W	Greenwood	35° N	82° W
Seminole	35° N	97° W	Orangeburg	33° N	81° W
Stillwater (S)	36° N	97° W	Rock Hill	35° N	81° W
Tulsa AP	36° N	96° W	Spartanburg AP	35° N	82° W
Woodward	37° N	100° W	Sumter, Shaw AFB	34° N	80° W
OREGON			SOUTH DAKOTA		
Albany	45° N	123° W	Aberdeen AP	45° N	98° W
Astoria AP (S)	46° N	124° W	Brookings	44° N	97° W
Baker AP	45° N	118° W	Huron AP	44° N	98° W
Bend	44° N	121° W	Mitchell	44° N	98° W
Corvallis (S)	44° N	123° W	Pierre AP	44° N	100° W
Eugene AP	44° N	123° W	Rapid City AP (S)	44° N	103° W
Grants Pass	42° N	123° W	Sioux Falls AP	44° N	97° W
Klamath Falls AP	42° N	122° W	Watertown AP	45° N	97° W
Medford AP (S)	42° N	123° W	Yankton	43° N	97° W
Pendleton AP	46° N	119° W			
Portland AP	46° N	123° W	TENNESSEE		
Portland Co	46° N	123° W	Athens	35° N	85° W
Roseburg AP	43° N	123° W	Bristol-Tri City AP	36° N	82° W
Salem AP	45° N	123° W	Chattanooga AP	35° N	85° W
The Dalles	46° N	121° W	Clarksville	37° N	87° W
PENNSYLVANIA			Columbia	36° N	87° W
Allentown AP	41° N	75° W	Dyersburg	36° N	89° W
Altoona Co	40° N	78° W	Greenville	36° N	83° W
Butler	41° N	80° W	Jackson AP	36° N	89° W
Chambersburg	40° N	78° W	Knoxville AP	36° N	84° W
Erie AP	42° N	80° W	Memphis AP	35° N	90° W
Harrisburg AP	40° N	77° W	Murfreesboro	35° N	86° W
Johnstown	40° N	79° W	Nashville AP (S)	36° N	87° W
Lancaster	40° N	76° W	Tulahoma	35° N	86° W



Appleton	44° N	88° W
Ashland	47° N	91° W
Beloit	42° N	89° W
Eau Claire AP	45° N	91° W
Fond Du Lac	44° N	88° W
Green Bay AP	44° N	88° W
La Crosse AP	44° N	91° W



APPENDIX – LATITUDE AND LONGITUDE

<u>STATE/CITY</u>	<u>LAT</u>	<u>LONG</u>
Madison AP (S)	43° N	89° W
Manitowoc	44° N	87° W
Marinette	45° N	88° W
Milwaukee AP	43° N	88° W
Racine	43° N	88° W
Sheboygan	44° N	88° W
Stevens Point	44° N	90° W
Waukesha	43° N	88° W
Wausau AP	45° N	90° W

WYOMING

Casper AP	43° N	106° W
Cheyenne	41° N	105° W
Cody AP	45° N	109° W
Evanston	41° N	111° W
Lander AP (S)	43° N	109° W
Laramie AP (S)	41° N	106° W
Newcastle	44° N	104° W
Rawlins	42° N	107° W
Rock Springs AP	42° N	109° W
Sheridan AP	45° N	107° W
Torrington	42° N	104° W



LIMITED 2 YEAR WARRANTY AND EXCLUSIONS

Leviton warrants to the original consumer purchaser and not for the benefit of anyone else that this product at the time of its sale by Leviton is free of defects in materials and workmanship under normal and proper use for two years from the purchase date. Leviton's only obligation is to correct such defects by repair or replacement, at its option, if within such two year period the product is returned prepaid, with proof of purchase date, and a description of the problem to **Leviton Manufacturing Co., Inc., Att: Quality Assurance Department, 59-25 Little Neck Parkway, Little Neck, New York 11362-2591.**

This warranty excludes and there is disclaimed liability for labor for removal of this product or reinstallation. This warranty is void if this product is installed improperly or in an improper environment, overloaded, misused, opened, abused, or altered in any manner, or is not used under normal operating conditions or not in accordance with any labels or instructions. There are no other or implied warranties of any kind, including merchantability and fitness for a particular purpose, but if any implied warranty is required by the applicable jurisdiction, the duration of any such implied warranty, including merchantability and fitness for a particular purpose, is limited to two years. Leviton is not liable for incidental, indirect, special, or consequential damages, including without limitation, damage to, or loss of use of, any equipment, lost sales or profits or delay or failure to perform this warranty obligation. The remedies provided herein are the exclusive remedies under this warranty, whether based on contract, tort or otherwise.

**For Technical Assistance Call:
1-800-824-3005 (U.S.A. Only)
www.leviton.com**



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