LitePak 2 Installation Manual

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SYSTEM MUST BE INSTALLED IN ACCORDANCE WITH LOCAL AND NATIONAL ELECTRICAL CODES

INDOOR USE ONLY

⚠ **Risk of Electric Shock.** More than one disconnect switch is required to de-energize the device before servicing. All Servicing should be performed by qualified service personnel. This unit has more than one power supply connection point. To reduce the risks of electric shock disconnect both the branch circuit breakers / fuses & emergency power supplies before servicing.

SAVE THESE INSTRUCTIONS

- READ AND FOLLOW ALL SAFETY INSTRUCTIONS.
- Be aware that Line Voltage Connections may be 120VAC or 277VAC or 347VAC
- Do not mount near gas or electric heaters.
- Equipment should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.
- The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.
- Do not use this equipment for other than intended use.

Contents

LitePak 2 v1 Installation Manual

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1. Introduction

1.1 General Description

LitePak™ 2 from Douglas Lighting Controls is a standardized digital lighting control system that provides automated and manual control over indoor and outdoor lighting. Contractors find standard off-the-shelf lighting control panels valuable for smaller projects due to their low cost and ease of installation.

New to LitePak 2: 0-10V dimming through independent dimming channels, an interface that follows the same format as our centralized relay panel lighting control unit (LCU), and peripherals connected using a 2-wire (#18/2), low voltage, polarity neutral, power and data network.

LitePak 2 is available in 8 and 16 relay, dimming or non-dimming, Central and Expansion enclosures that can be used together to support up to 48 relay circuits. The Central panel contains the LCU and Expansion Panels are added to build a system up to 48 relay circuits. Panels are available with Surface mount or Flush mount covers. A NEMA type 4 enclosure is available for installing systems in harsh environments.

The touchscreen has a 365-day astronomical clock for time-of-day/sunrise/sunset control, ability to schedule up to 900 events, and connect with peripheral devices (wall switch stations, occupancy sensors, interior and exterior daylight sensors) to run a fully automated lighting system with daylight control. With the addition of dimming capabilities, daylight harvesting can be implemented. LitePak 2 is designed to meet the requirements of ASHRAE 90.1 and Title 24 projects.

Typical Applications: Retail and Commercial projects including: Gas Stations, Convenience Stores, Warehouses, and Auto Dealerships

2. Design Features

- LitePak 2 is ready to install and can be ordered with either a surface or flush mount key lock door/cover (a NEMA 4 enclosure option is available)
- LitePak 2 central panels include a touchscreen controller for easy system set-up
- Peripheral devices (sensors and switches) and expansion panels are ordered separately based on your project requirements. Peripheral devices are networked to the main panel using our low cost, easy to install, Dialog 2-wire power and data network (#18/2 AWG, low voltage, non-polarized, topology free).
- **Switches and Sensors are digital devices that are configured using our Handheld Infrared setting Unit (part # WIR-3110)**
- Panels knockouts (2 per side) provide access into the line voltage and low voltage compartments

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3. Part Numbers

VOLTAGE	SKU #	DESCRIPTION
120/277VAC	DLP2-8R8D-SM	120/277VAC, 8 RELAY, 8 DIM, SURFACE MOUNT
	DLP2-8R8D-FM	120/277VAC, 8 RELAY, 8 DIM, FLUSH MOUNT
	DLP2-8R8D-N4	120/277VAC, 8 RELAY, 8 DIM, NEMA TYPE 4
	DLP2-16R16D-SM	120/277VAC, 16 RELAY, 16 DIM, SURFACE MOUNT
	DLP2-16R16D-FM	120/277VAC, 16 RELAY, 16 DIM, FLUSH MOUNT
	DLP2-16R16D-N4	120/277VAC, 16 RELAY, 16 DIM, NEMA TYPE 4
	DLP2-8R-SM	120/277VAC, 8 RELAY, SURFACE MOUNT
	DLP2-8R-FM	120/277VAC, 8 RELAY, FLUSH MOUNT
	DLP2-8R-N4	120/277VAC, 8 RELAY, NEMA TYPE 4
	DLP2-16R-SM	120/277VAC, 16 RELAY, SURFACE MOUNT
	DLP2-16R-FM	120/277VAC, 16 RELAY, FLUSH MOUNT
	DLP2-16R-N4	120/277VAC, 16 RELAY, NEMA TYPE 4
	DLP2-8R8D-SM-EXP	120/277VAC, 8 RELAY, 8 DIM, SURFACE MOUNT, Expansion Panel
	DLP2-8R8D-FM-EXP	120/277VAC, 8 RELAY, 8 DIM, FLUSH MOUNT, Expansion Panel
	DLP2-8R8D-N4-EXP	120/277VAC, 8 RELAY, 8 DIM, NEMA TYPE 4, Expansion Panel
	DLP2-16R16D-SM-EXP	120/277VAC, 16 RELAY, 16 DIM, SURFACE MOUNT, Expansion Panel
	DLP2-16R16D-FM-EXP	120/277VAC, 16 RELAY, 16 DIM, FLUSH MOUNT, Expansion Panel
	DLP2-16R16D-N4-EXP	120/277VAC, 16 RELAY, 16 DIM, NEMA TYPE 4, Expansion Panel
	DLP2-8R-SM-EXP	120/277VAC, 8 RELAY, SURFACE MOUNT, Expansion Panel
	DLP2-8R-FM-EXP	120/277VAC, 8 RELAY, FLUSH MOUNT, Expansion Panel
	DLP2-8R-N4-EXP	120/277VAC, 8 RELAY, NEMA TYPE 4, Expansion Panel
	DLP2-16R-SM-EXP	120/277VAC, 16 RELAY, SURFACE MOUNT, Expansion Panel
	DLP2-16R-FM-EXP	120/277VAC, 16 RELAY, FLUSH MOUNT, Expansion Panel
	DLP2-16R-N4-EXP	120/277VAC, 16 RELAY, NEMA TYPE 4, Expansion Panel
120/347VAC	DLP2C-8R8D-SM	120/347VAC, 8 RELAY, 8 DIM, SURFACE MOUNT
	DLP2C-8R8D-FM	120/347VAC, 8 RELAY, 8 DIM, FLUSH MOUNT
	DLP2C-8R8D-N4	120/347VAC, 8 RELAY, 8 DIM, NEMA TYPE 4
	DLP2C-16R16D-SM	120/347VAC, 16 RELAY, 16 DIM, SURFACE MOUNT
	DLP2C-16R16D-FM	120/347VAC, 16 RELAY, 16 DIM, FLUSH MOUNT
	DLP2C-16R16D-N4	120/347VAC, 16 RELAY, 16 DIM, NEMA TYPE 4
	DLP2C-8R-SM	120/347VAC, 8 RELAY, SURFACE MOUNT
	DLP2C-8R-FM	120/347VAC, 8 RELAY, FLUSH MOUNT
	DLP2C-8R-N4	120/347VAC, 8 RELAY, NEMA TYPE 4
	DLP2C-16R-SM	120/347VAC, 16 RELAY, SURFACE MOUNT
	DLP2C-16R-FM	120/347VAC, 16 RELAY, FLUSH MOUNT
	DLP2C-16R-N4	120/347VAC, 16 RELAY, NEMA TYPE 4
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	DLP2C-8R8D-FM-EXP	120/347VAC, 8 RELAY, 8 DIM, FLUSH MOUNT, Expansion Panel
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	DLP2C-8R-N4-EXP	120/347VAC, 8 RELAY, NEMA TYPE 4, Expansion Panel
	DLP2C-16R-SM-EXP	120/347VAC, 16 RELAY, SURFACE MOUNT, Expansion Panel
	DLP2C-16R-FM-EXP	120/347VAC, 16 RELAY, FLUSH MOUNT, Expansion Panel
	DLP2C-16R-N4-EXP	120/347VAC, 16 RELAY, NEMA TYPE 4, Expansion Panel

4. Compatible Devices

Lite Pak 2 works in with the following Peripheral Devices:

DEVICE TYPE	DESCRIPTION	PN
Occupancy Sensor – Ceiling – Standard Range Lens	Occupancy Sensor, Recessed Ceiling, Standard Range Lens, Dialog Network, 1-pole, Photo Sensor	WORSDG1-P-N
Occupancy Sensor – Ceiling, Extended Range Lens	Recessed Ceiling Extended Range w/ Time Delay Dial & Aux Relay	WORXDG1-P-N
Occupancy Sensor – Ceiling, High Bay Range Lens	Recessed Ceiling Extended Range w/ Time Delay Dial & Aux Relay	WORBDG1-P-N
Occupancy Sensor – Wall Station	Wall Station Sensor with one button switch	WOSSDG1-P-VW
Occupancy Sensor – Corner Mount	Corner Mount Sensor	WOWSDG1-P-N
Daylight Sensor	Interior Daylight Sensor	WPS-371
Daylight Sensor	Exterior Daylight Sensor	WPS-3741B
Wall Station Switch	Digital 1 Gang Dimmer & 1-Button Switch	WSD-3501
Wall Station Switch	Digital 1 Gang 1-Button Switch	WSW-3511
Wall Station Switch	Digital 1 Gang 2-Button Switch	WSW-3512
Wall Station Switch	Digital 1 Gang 3-Button Switch	WSW-3513
Wall Station Switch	Digital 1 Gang 4-Button Switch	WSW-3514
Wall Station Switch	Digital 1 Gang 8-Button Switch	WSW-3528
Wall Station Key Switch	Digital 1 gang Key Switch	WSK-3502
LCD Touch Screen Wall Station Switch	Digital LCD Touchscreen Wall Station Switch	WSW-LCD

• Switches and Sensors are digital devices that are networked to the main panel using our low cost, easy to install, Dialog 2-wire power and data network (#18/2 AWG, low voltage, non-polarized, topology free).

• **Switches and Sensors are digital devices that are configured using our Handheld Infrared setting Unit (part # WIR-3110**

5. Specifications

- **Mounting**
  - o Typical installations will surface mount the Lite Pak 2 (lockable hinged door/cover included). A flush mount lockable hinged door/cover is available for inset flush mount installations.
  - o NEMA 4 enclosures are surface mount only
  - o See Installation section for details
- **Power**
  - o Line Voltage: 120VAC/277VAC & 120/347VAC models available
  - o Frequency: 60Hz
- **Input Devices:**
  - o 24VAC Dialog Low Voltage Sensors and Switches
- **Output Power:**
  - o Low Voltage: 24VAC ±25% source.
  - o Frequency: 60Hz
  - o Current Sinking Limit: 500mA
- **Relay Ratings - WR-6161 Panasonic Mechanical Latching Relay**
  - o More than 30,000 operations with 20A load, 2000A inrush @ 20 times / min. switch speed
  - **UL**
    - o 30A @ 300VAC General Use
    - o 2400W @ 120VAC Tungsten
    - o 20A @ 300 VAC Standard Ballast
    - o 16A @ 277VAC Electronic Ballast
    - o 1/2HP @ 110-125VAC
    - o 1-1/2HP @ 220-277VAC
    - o SCCR 18,000A @ 277VAC
  - **CSA**
    - o 347VAC General Use
    - o 2400W @ 120VAC Tungsten
    - o 20A @ 347VAC Ballast
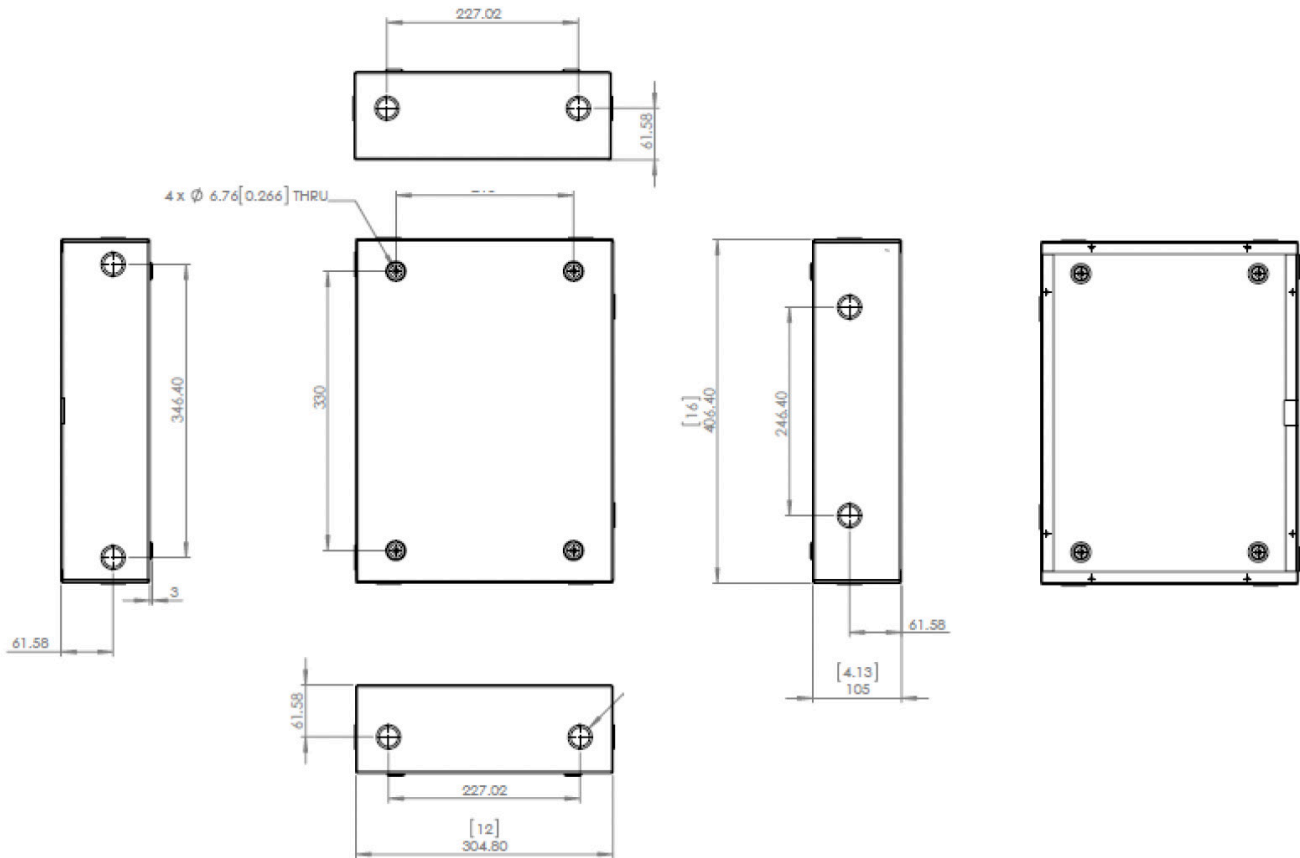- **Operation Environment**
  - o Indoors, stationary, non-vibrating, non-corrosive atmosphere and non-condensing humidity
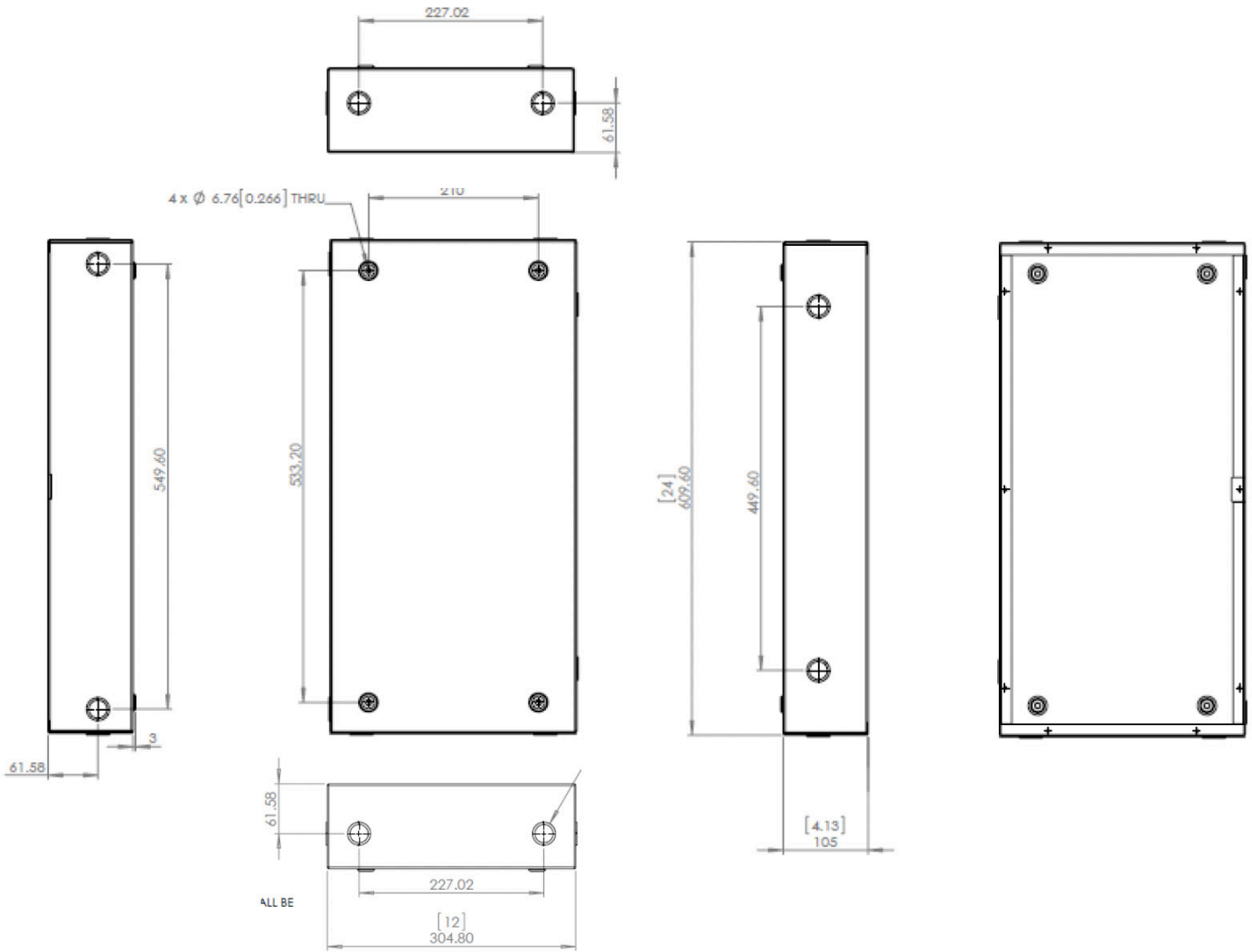 - o Ambient Operation Temperature: 32°F to 100°F (0°C to 38°C)
- **Approvals:**
  - o CAN/CSA STD. C22.2 No.14
  - o UL 508A
  - o Meets current ASHRAE 90.1 requirements
  - o Meets current CEC Title 24 requirements

6. Dimensions

8-Relay Panel

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16-Relay Panel

227.02

61.58

4 x Ø 6.76[0.266] THRU

210

549.60

533.20

[24]
609.60

449.60

61.58

3

61.58

227.02

[4.13]
105

ALL BE

[12]
304.80

7. Installation & Wiring

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⚠️ **Risk of Electric Shock.** More than one disconnect switch is required to de-energize the device before servicing. All Servicing should be performed by qualified service personnel. This unit has more than one power supply connection point. To reduce the risks of electric shock disconnect both the branch circuit breakers / fuses & emergency power supplies before servicing.
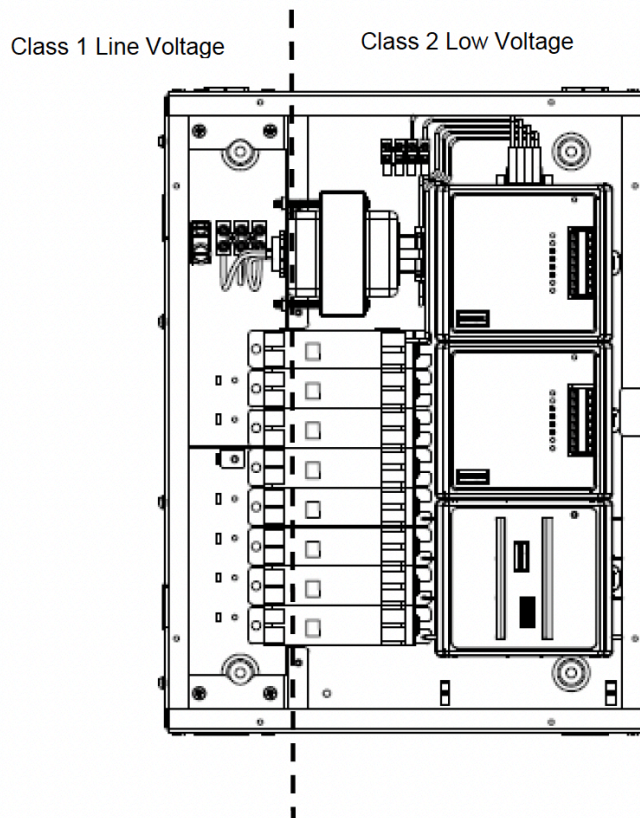
Overview:

1. Remove Access Cover
2. Install Barriers
3. Mount LitePak 2 to wall
4. Connect lighting loads to relays
5. Connect 0-10V dimming wires to dimming card (if applicable)
6. Connect Dialog network devices and expansion panels to main panel
7. Connect Line Voltage to panel
8. Replace Access Cover
9. Power up System

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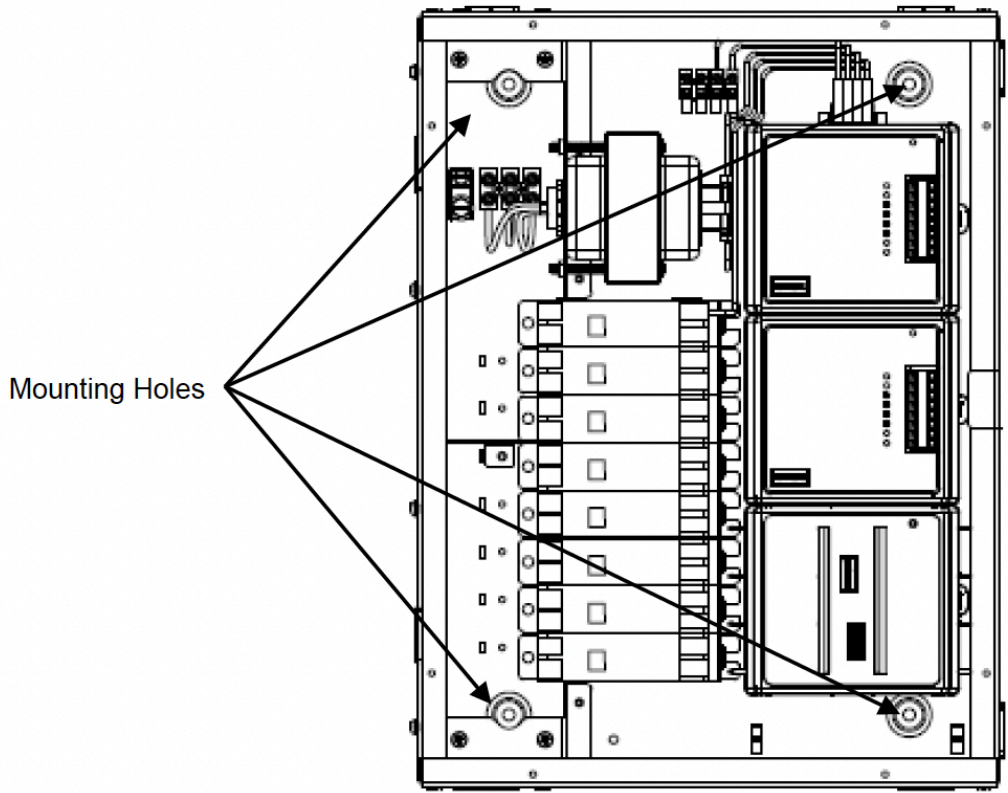
1. Remove Access Cover

- Open the door to see the access cover. The access cover has 2 silver thumbs screws and 4 black screws.
- **IMPORTANT**: When removing the entire access cover, the LCU will need to be disconnected by pulling the orange 4-prong plug out from the bottom of the LCU.
- Loosen the 2 silver thumb screws to access the low voltage compartment.
- Disconnect the LCU by pulling the orange 4-prong plug out from the bottom connection of the LCU. Remove the 4 black access cover screws, then remove the access cover.

LitePak 2 has dedicated low voltage (Class 2) and a line voltage (Class 1) compartments.
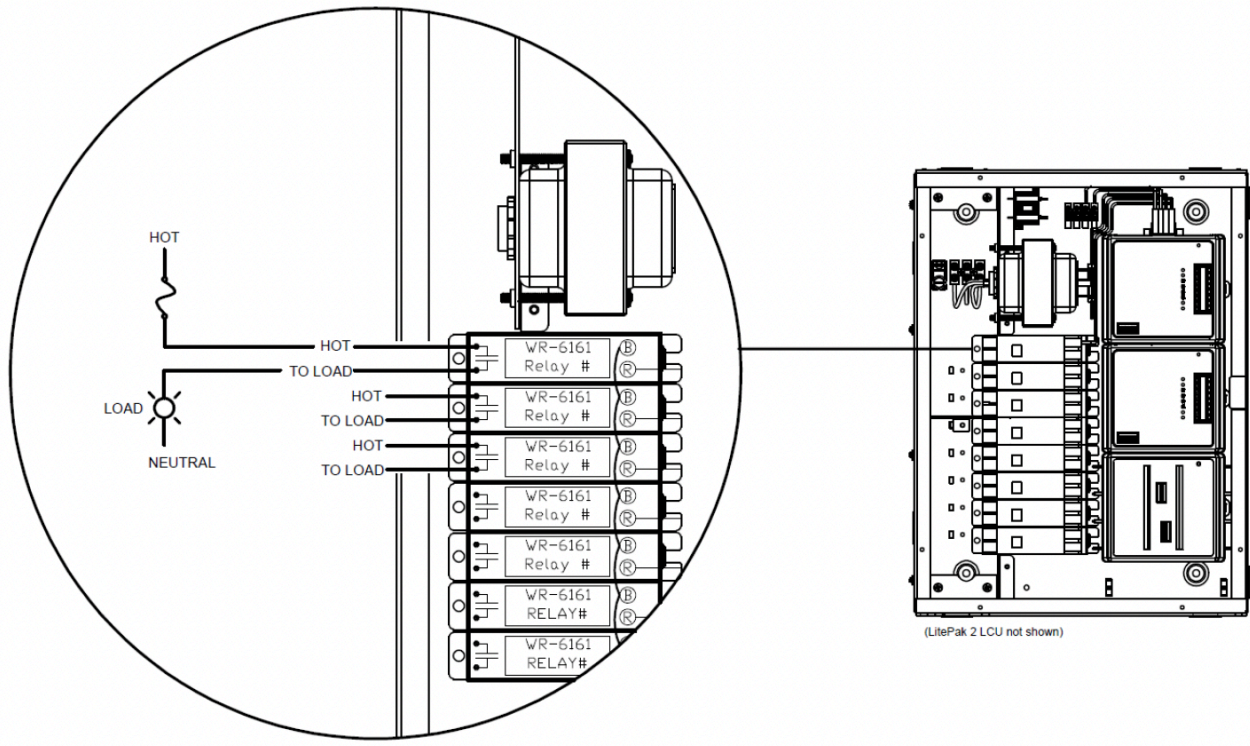
Class 1 Line Voltage   Class 2 Low Voltage

2. If there are different load voltages are used (120VAC/277VAC or 120VAC/347VAC), install the included barrier plate between the appropriate relays to create separate voltage compartments.
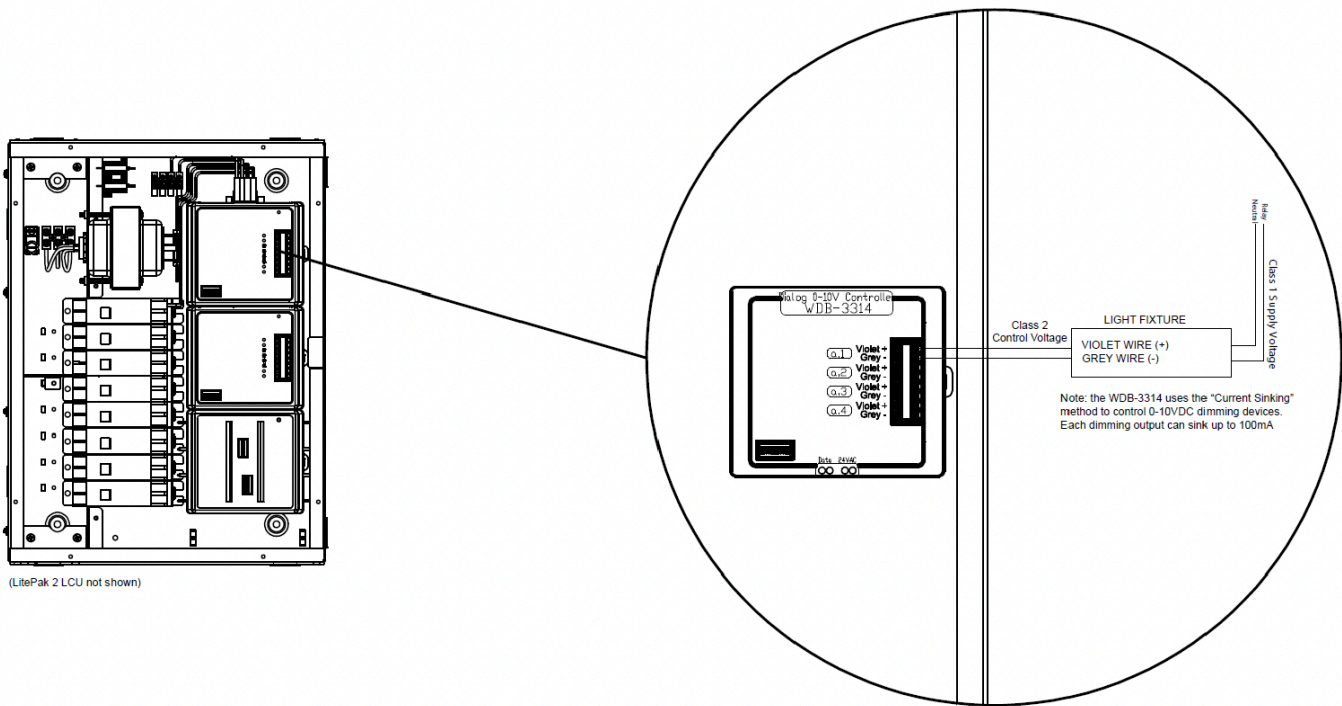
3. Mount LitePak 2 to the wall using the 4 clearance mounting holes (1/4" fasteners).

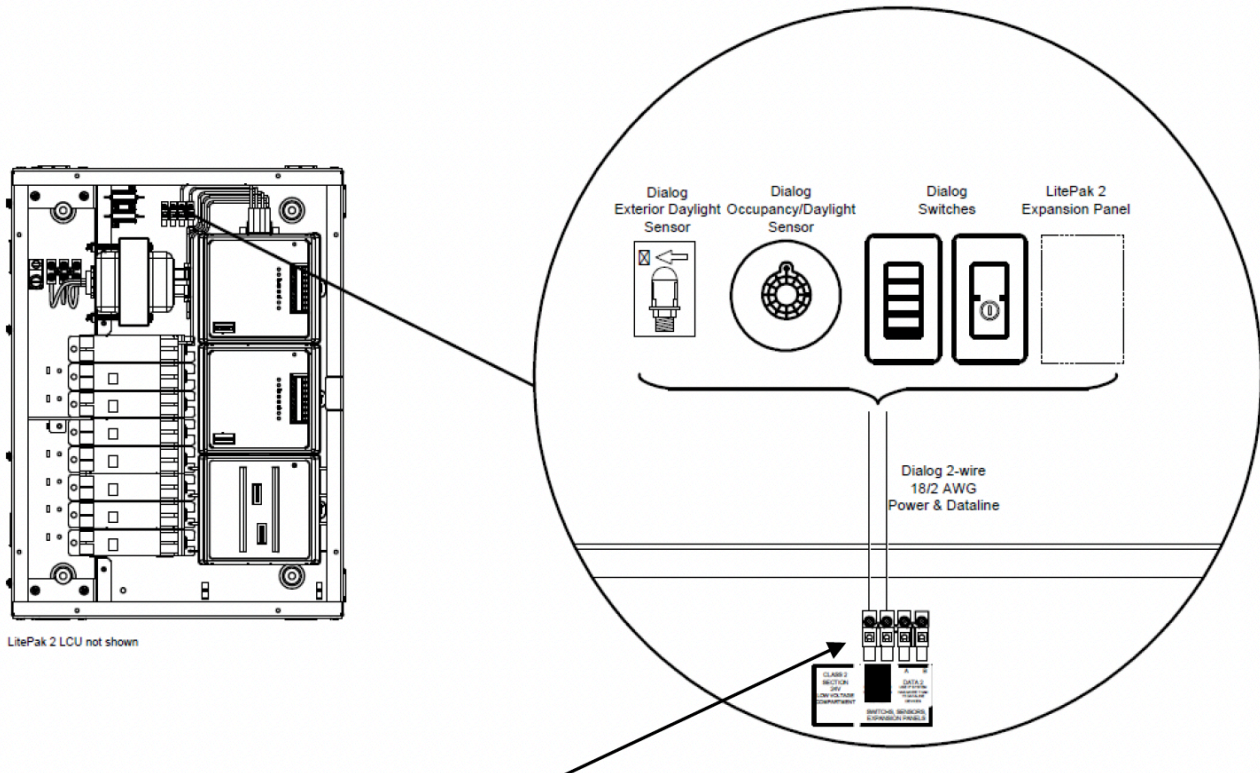Mounting Holes

4. Connect lighting loads to the relays

HOT

HOT
TO LOAD
LOAD
HOT
TO LOAD
NEUTRAL
HOT
TO LOAD

WR-6161 Relay #
WR-6161 Relay #
WR-6161 Relay #
WR-6161 Relay #
WR-6161 Relay #
WR-6161 RELAY#
WR-6161 RELAY#

(LitePak 2 LCU not shown)

5. Connect 0-10V dimming wires to dimming card (where applicable)

Dialog 0-10V Controller
WDB-3314

a.1 Violet +
Grey -
a.2 Violet +
Grey -
a.3 Violet +
Grey -
a.4 Violet +
Grey -

Data 24VAC

Class 2
Control Voltage

LIGHT FIXTURE

VIOLET WIRE (+)
GREY WIRE (-)

Note: the WDB-3314 uses the "Current Sinking" method to control 0-10VDC dimming devices. Each dimming output can sink up to 100mA.

Class 1 Supply Voltage

Neutral

Relay

(LitePak 2 LCU not shown)

6. Connect Dialog network devices and expansion panels to main panel

Dialog
Exterior Daylight
Sensor

Dialog
Occupancy/Daylight
Sensor

Dialog
Switches

LitePak 2
Expansion Panel

Dialog 2-wire
18/2 AWG
Power & Dataline

CLASS 2
SECTION
24V
LOW VOLTAGE
COMPARTMENT

DATA 2

SWITCHES, SENSORS
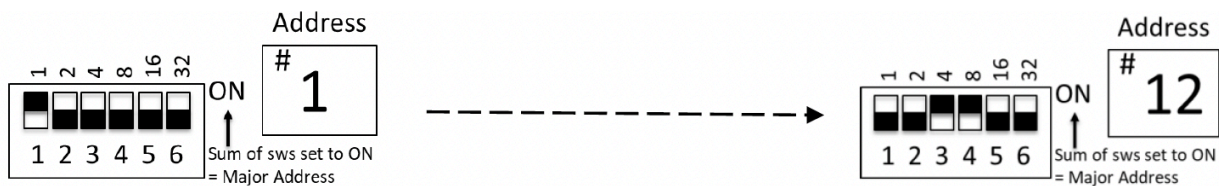EXPANSION PANELS

LitePak 2 LCU not shown

NOTE: Network connection to terminal block dependant on number of peripheral devices and expansion panels. Less than 15 use left two positions. 15 or greater, use right 2 positions

7. Connect Line Voltage to Panel/Transformer

(Dual Tap Transformer)
OR
120VAC
Neutral
277 or 347VAC
Ground

(LitePak 2 LCU not shown)
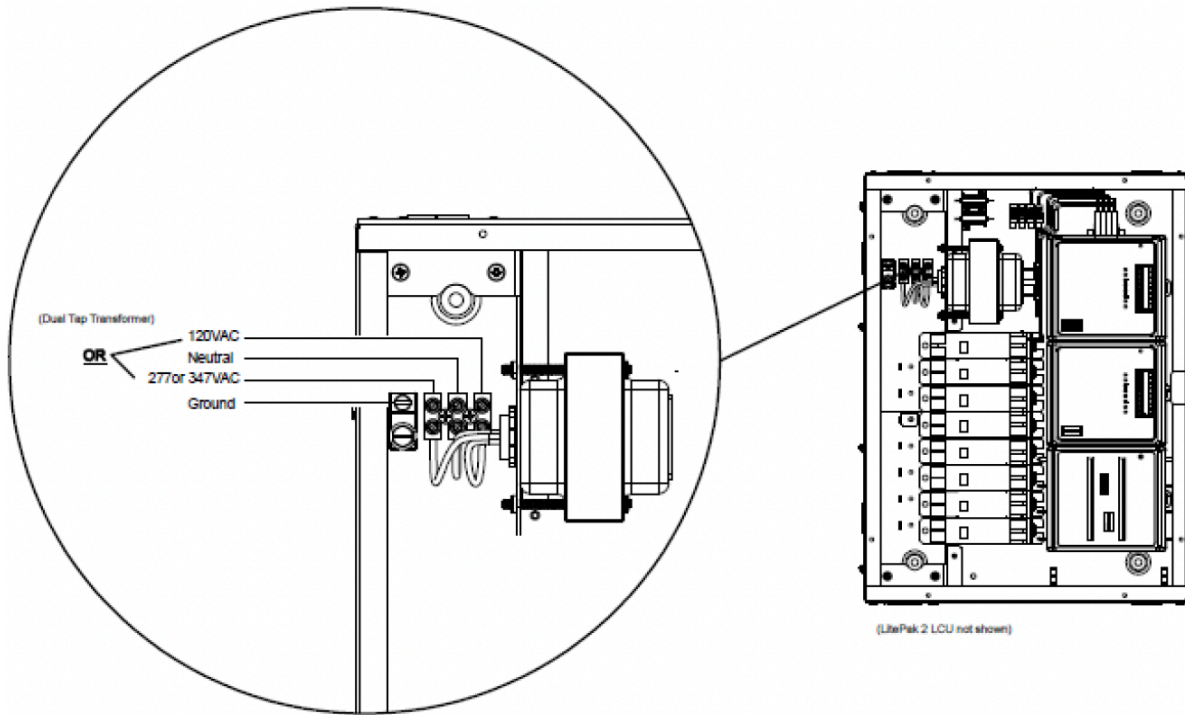
8. Replace Access Cover

• Install access cover using 4 black access cover screws.
• **IMPORTANT:** Reconnect the LCU by inserting the orange 4-prong plug into the bottom of the LCU.
• **IMPORTANT:** Confirm DIP switch addresses for Relay Driver and Dimming Card (if present).
• Main panel Relay and Dimming Cards will be addressed at factory.
• Expansion Panels **will require setting** of DIP switches for proper addressing and control.
• Cards are sequentially addressed with Main panel cards starting at #1. Use the DIP switches to set additional card addresses.

• Every group of 4 outputs has a major address. Relay cards have 8 outputs, therefore two major addresses (two DIP switch terminals). Dimming cards have 4 outputs, therefore one major address (one DIP switch terminal).

Address
1
1 2 4 8 16 32
ON
1 2 3 4 5 6
Sum of sws set to ON = Major Address

Address
12
1 2 4 8 16 32
ON
1 2 3 4 5 6
Sum of sws set to ON = Major Address

• Close access cover and tighten 2 silver thumbs screws

9. Power Up System

- Once installation is complete and all devices are wired to the network, the system can be powered up
- Upon Power Up the LCU will run diagnostics and a DISCOVERY to identify all relays, dimmers, switches, sensors and expansion panels in the system. This will take less than 30 seconds.
- The system is now ready to be setup (programmed).

8. Quick Setup

The Details below outline common steps for a basic system setup. Note that there are 2 parts to setting up the system:

      1. Programming the Lighting Control Unit (LCU)

      2. Programming the Sensor and Switches using the Handheld Infrared Setting Unit. See WIR-3110 Manual.

Login

The LCU is equipped with a touchscreen for easy navigation and programming (the tip of a pen, pencil, or finger can be used on the screen).

Menu > enter **password** (default password: **dlc**) **> OK**.

Test Outputs

The LitePak 2 screen is pre-populated with the maximum 48 relay and dimming outputs regardless of the number of outputs used. Once output loads and dimming wires (if applicable) are connected, test the outputs using the interface.

> Outputs > Select Relay Output > use RELAY ON, RELAY OFF to test the relay and light.

> Outputs > Select Dimming Output > use slider to test dimming action.

Create Groups

Groups can be created, edited, manually controlled, or deleted in this section. Groups can control Relays (ON/OFF), Dimmers (ON/OFF/DIM Level), or Relays and Dimmers

To add a Group: **> Group > Add Group > Output List**, identify the Outputs (relays and dimmers) desired for this Group, **> Back**; now set the action (ON/OFF) for each relays and dimmer in the Group **> Setup Group >** then, depending on what is controlling the Group, select the device: **Switch, Occupancy** (Sensor), or **Contact** (Input) and action (ON or OFF) for the relay and dimmer, when completed **> Back**.

- To edit a Group, **> Group > select the Group**, adjust the output list or select Setup Group adjust
      the relay/dimmer actions for Switch, Sensor and Contact.
- To manually control a group: **> Group > ON > OFF**
- To delete a Group: **> Group > Setup Group > Delete Group**

Set Date & Time
- Settings > System Settings > Change Date
- Settings > System Settings > Change Time

Create Schedules – Days of the Week

> Schedule > Schedules > Add Schedule > Select Time > OK > Select Days of Week or Holiday > OK >

Choose Target Type: Group, Preset, Timeout & Flick Mode, Daylight Harvesting & Astro Mode

- **Group** > OK > ON/OFF > OK > Select Target Group and Check Box > Done
- **Preset** > OK > ACTIVATE or DEACTIVATE > OK > Select Target Preset and Check Box > Done

- **Timeout & Flick Mode** > OK > ACTIVATE or DEACTIVATE > OK > Select Timeout Modes or Flick Modes > Select Target Preset
- **Daylight Harvesting & Astro Mode** > OK > ACTIVATE or DEACTIVATE > OK > Select Daylight
  Harvesting Modes: Outputs, Groups, Presets, Astro Modes

Create Schedules – Holiday

> Schedule > Holidays > Add Holiday > Select Date > OK > Add Name > Adjust Single Occurrence or Yearly > OK

Save to USB

The system programming setting can be backed up to a USB.
- Open access cover using the two silver thumb screws.
- Insert USB into the USB port on the top of the LCU.
- **Settings > Config Management > Backup Configuration to USB**
- Remove USB, store in a safe place and close access cover

Load Configuration and Settings from USB

The LCU can have programming uploaded from a USB.
- Open access cover using the two silver thumb screws.
  Insert USB into the USB port on the top of the LCU.
- **Settings > Config Management > Load Configuration from USB > Load Schedules from USB**
- Remove USB, store in a safe place and close access cover

9. System Setup

The Details below outline the steps to setup a system. Note that there are 2 parts to setting up the system:

  1. Programming the Lighting Control Unit
  2. Programming the Sensor and Switches using the Handheld Infrared Setting Unit. See WIR-3110 Manual.

1. Programming the Lighting Control Unit

Outputs

Outputs (48 Relays and 48 Dimming Channels) are pre-loaded into the controller. The outputs lines can be collapsed or expanded by selecting the Panel Header. Outputs can be manually controlled through the controller interface. 48 Relays and Dimming Channels are shown as this is the maximum number of replays and dimming channels a LitePak 2 system (central panel plus expansion panels) can accommodate. Relay identifiers can be written onto the relay labels located on the LitePak 2 cover plate.

Id: address or Relay or Dimmer

Label: Output Name (Relay or Dimmer) and number

Group: The Group the Output is assigned to

DS: Indicated output is assigned to Daylight sensor

Status: Blue=ON; Orange=OFF; Black=NOT CONNECTED; up/down arrow=DIMMER

Groups

Groups can be created, edited, manually controlled, or deleted in this section. Groups can control Relays (ON/OFF), Dimmers (ON/OFF/DIM Level), or Relays and Dimmers

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To add a Group: **> Group > Add Group > Output List**, identify the Outputs (relays and dimmers) desired for this Group, **> Back;** now set the action (ON/OFF) for each relays and dimmer in the Group **> Setup Group >** then, depending on what is controlling the Group, select the device: **Switch, Occupancy** (Sensor), or **Contact** (Input) and action (ON or OFF) for the relay and dimmer, when completed **> Back.**

To edit a Group, **> Group > select the Group**, adjust the output list or select Setup Group adjust the relay/dimmer actions for Switch, Sensor and Contact.

To manually control a group: **> Group > ON > OFF**

To delete a Group: **> Group > Setup Group > Delete Group**

Contact Input - select the manufacturer and type of the contact input.
The default value for the manufacturer is Douglas and the default value for the type is Momentary Toggle.
Also, set the delay OFF time by using the slider and selecting Set. The default value is 30 seconds.

Presets
Presets are used to create a scene using relays and dimmer setting, which are then activated by a Switch, Sensor or Contact.

Timeout & Flick Modes

Timeout Mode triggers an action of an Output or Group that occurs at the end of a timeout period.

Flick Mode triggers a Flick Warning of an Output or Group that is scheduled to action OFF. This is a warning to occupants that the lights will be OFF shortly.

E.g. I would like a flick warning five minutes before the lights in the main office area are turned off at 10:00PM so employees know the lights will be OFF soon.

e.g. After the lobby is unoccupied for 10 minutes, I want the lights in the lobby to fade to a 50% dim level over a period of 5 minutes.

To create a Timeout Mode using an Output

Timeout & Flick Modes > Timeout Modes > Add Mode > target type = **Output > OK**
Select the **Output** (Relay or Dimmer)
Create a label for the mode > **OK**

Setup the Control of the Mode
Control tab > **Modify** > set parameters:
• Triggering Preset – a preset needs to be created before setting the Timeout Mode – go to Presets
  in Main Menu > **OK**
• Timeout Countdown (seconds or Minutes) > **OK**
• Flick Enable:
        o No Action (keep previous setting)
        o Disable flick-warn
        o Flick-warn, 5 minutes
        o Flick-warn, specify duration (Seconds/Minutes)
• Flick Offset: To specify the Flick Warn duration
• adjust the levels and click the OK button
• Timeout Dimmer Level: if Lights are to be dimmed to a level other than Zero after Timeout
• Timeout Dimmer Fade Time: The period of time taken to reach the Timeout Dimmer Level
  (default five seconds).

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- Delete Mode

> Back > Back > Back

To create a Timeout Mode using a Group

Timeout & Flick Modes > Timeout Mode > Add Mode > target type = **Group > OK**
Select the **Group**
Create a label for the mode > **OK**

Setup the Control of the Mode
Control tab > **Modify** > set parameters:
- Triggering Preset – a preset needs to be created before setting the Timeout Mode – go to Presets in Main Menu > **OK**
- Timeout Countdown (Seconds or Minutes) > OK
- Flick Enable:
  - o No Action (keep previous setting)
  - o Disable flick-warn
  - o Flick-warn, 5 minutes
  - o Flick-warn, specify duration (Seconds/Minutes)
- Flick Offset
- Timeout Dimmer Level
- Timeout Dimmer Fade Time
- Delete Mode

> Back > Back > Back

To create a Flick Mode using an Output
> Flick Modes > Add Mode > target type = **Output > OK**
Select the **Output** (Relay or Dimmer)
Create a label for the mode > **OK**

Setup the Control of the Mode > **Control** tab > **Modify** > set parameters:
- Triggering Preset – a preset needs to be created before setting the Timeout Mode – go to Presets in Main Menu > **OK**
- Do Off Action Yes/No: This enables or disables the flick mode from occurring when the output has been manually actioned OFF during the Flick Time Duration
- Off Wait Duration: the time duration Outputs are actioned OFF after the Flick Warn
  # of Off(s) to Skip: The number of times an Output controlled by Flick Mode can reset the start of a Flick when they are manually turned OFF and ON during a Flick period
- Delete Mode

>Back > Back > Back

Daylight Harvesting & Astro
Daylight Harvesting Mode is used to maintain constant lighting level through dimming control. Targets can be Outputs, Groups, and Presets

Daylight Harvesting & Astro > Outputs, Groups, Presets > Add Mode > Select Threshold Trigger, Open Loop, Closed Loop > Select Outputs, Groups, Presets > Select Target > Label > Select Control Tab and set parameters

Astro Mode triggers outputs based on the position of the sun in the site location. The LCU calculates dusk-to-dawn times based on information provided in the Settings menu.

> Daylight Harvesting & Astro > Astro Modes > Add Mode > Select target type: Output, Group, Local Preset > Name the Mode, Select Control Tab and set parameters

Schedules
Create Schedules – Days of the Week

> Schedule > Schedules > Add Schedule > Select Time > OK > Select Days of Week or Holiday > OK > Choose Target Type: Group, Preset, Timeout & Flick Mode, Daylight Harvesting & Astro Mode

> **Group** > OK > ON/OFF > OK > Select Target Group and Check Box > Done

> **Preset** > OK > ACTIVATE or DEACTIVATE > OK > Select Target Preset and Check Box > Done

> **Timeout & Flick Mode** > OK > ACTIVATE or DEACTIVATE > OK > Select Timeout Modes or Flick Modes > Select Target Preset

> **Daylight Harvesting & Astro Mode** > OK > ACTIVATE or DEACTIVATE > OK > Select Daylight Harvesting Modes: Outputs, Groups, Presets, Astro Modes

Create Schedules – Holiday

> Schedule > Holidays > Add Holiday > Select Date > OK > Add Name > Adjust Single Occurrence or Yearly > OK

Settings
• About Dialog: System Software Build Version
• Dialog Discovery: Discovery and synchronization of devices
• Event Log Functions: Even log management features
• Mode Settings: System-wide settings for various modes
• System Settings: System Date/time, Screen calibration
• Config Management

Event Log
The Event Logs screen displays the most recent 100 system events and actions in chronological order. You can refresh the list by clicking the Refresh List icon.

2. Programming Sensors & Switches
• See: WIR-3110 Infrared Setting Unit User Manual

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10. Trouble shooting

ISSUE	RESOLUTION
The LCU is not listing all my networked devices.	Run an Dialog Discovery > Settings > DIALOG Discovery > Full System Discovery

EDITS

VERSION	PAGE	EDIT

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It's EASY to REACH US...

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