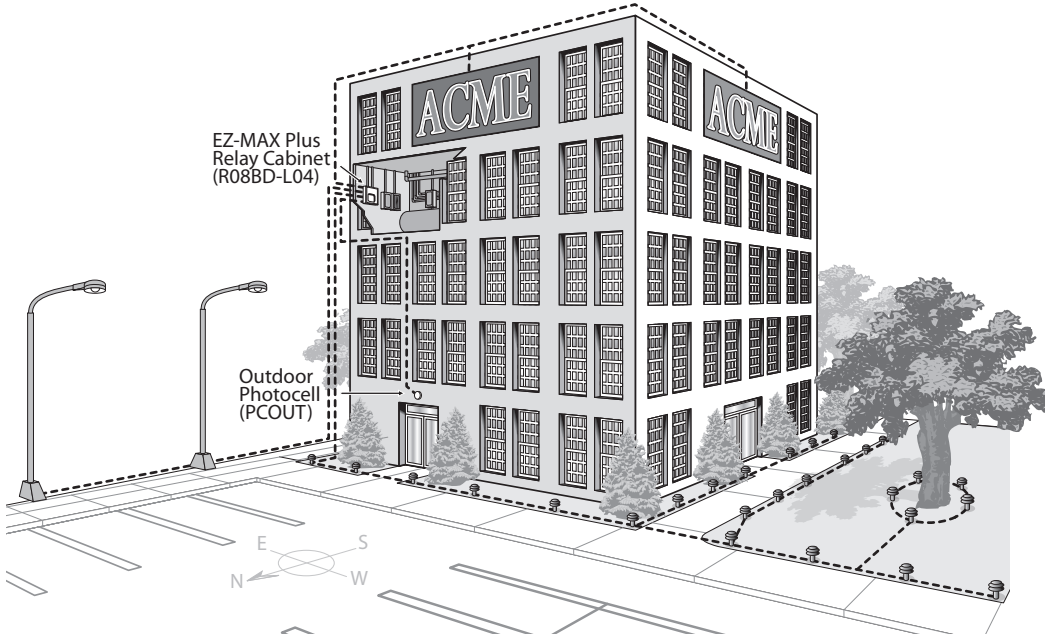


EZ-MAX™ Plus Applications

Reduce installation time and offer more flexibility than the old timer/contactors/enclosure solution. This application cookbook shows you the power of the Leviton EZ-MAX Plus Panel to save you money during, before, and after installation.



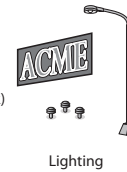
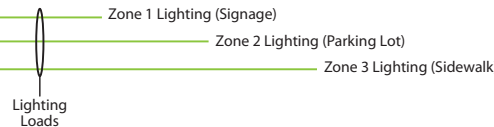
Option 1: Parking Lot Application with Scheduler

Scheduler
6:00AM: Zone 1 Lighting OFF
3:30PM: Zone 1 Lighting ON
6:00AM: Zone 2 Lighting OFF
3:30PM: Zone 2 Lighting ON
6:00AM: Zone 3 Lighting OFF
3:30PM: Zone 3 Lighting ON

EZ-MAX Plus Scheduler with Visual Programmer



EZ-MAX Plus Relay Cabinet (R08BD-L04)

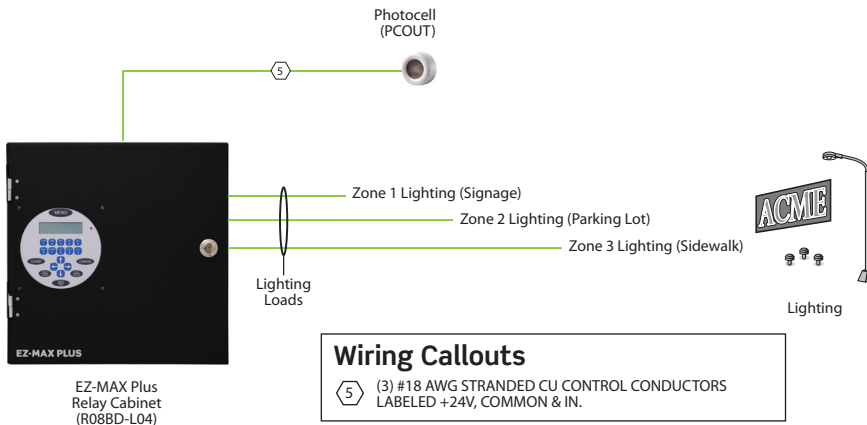


Parking Lot Applications

The EZ-MAX Plus panel uses a built in astronomical time clock that calculates longitude/latitude for predetermined cities and states. It also has a preconfigured exterior photocell mode.

Note: Parking lot lighting is usually considered the most important safety and security feature in a parking facility. It deters crime and vandalism and creates a sense of personal safety.

Option 2: Parking Lot Application with Photocell*



EZ-MAX Plus Relay Cabinet (R08BD-L04)

Wiring Callouts

Ⓢ (3) #18 AWG STRANDED CU CONTROL CONDUCTORS LABELED +24V, COMMON & IN.

* Photocell should be oriented to the North.

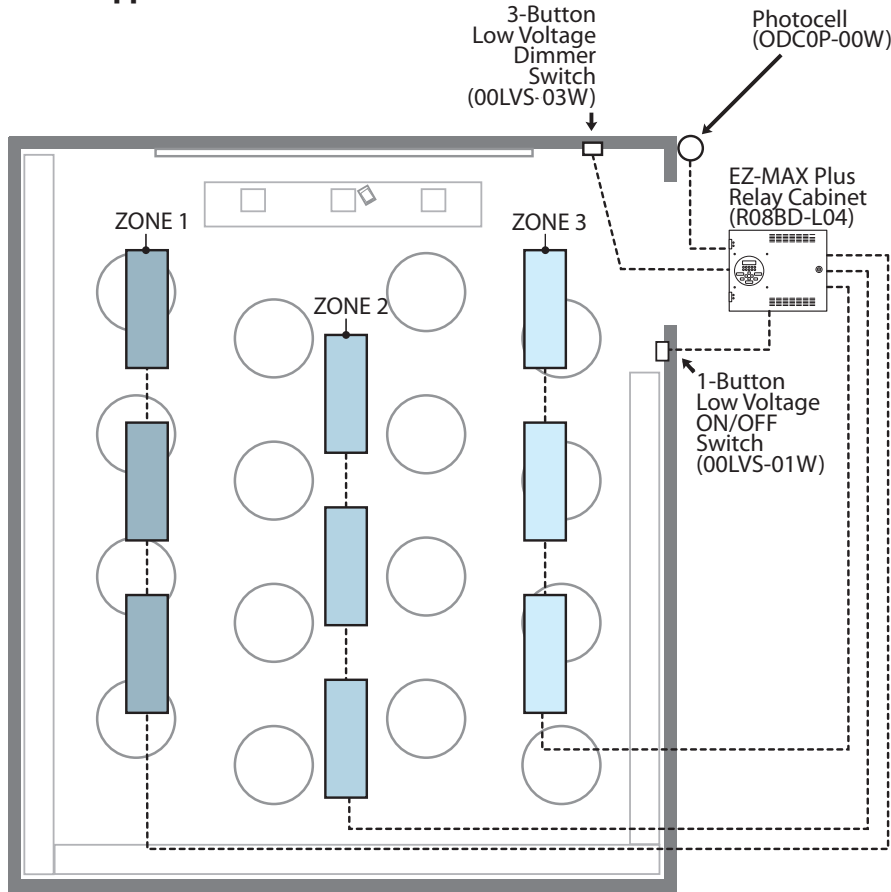
Disclaimer: The recommendations contained herein should be reviewed by a professional Leviton lighting control representative to determine whether or not this meets your unique application needs. For more information, contact Leviton's Quotations department at LMSquotes@leviton.com.

Leviton Mfg. Co., Inc. Lighting Management Systems

20497 SW Teton Avenue, Tualatin, OR 97062 1-800-736-6682 Tech Line: 1-800-959-6004 Fax: 503-404-5594 www.leviton.com/lms
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EZ-MAX PLUS APPLICATION COOKBOOK

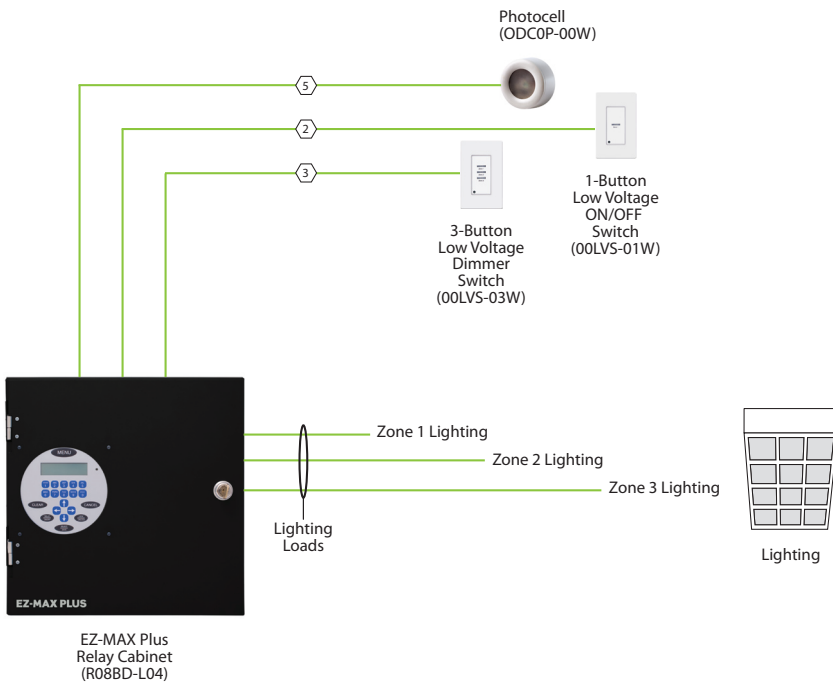
Retail Application



Retail Applications

The EZ-MAX Plus panel has an easy to program scheduler module that quickly enables the installer to set up flexible time clock scenarios. Our configurable low voltage inputs make it easy to program a photocell and timed override switches (less than 5 minutes total). Our EZ-MAX panel helps you comply with your energy code requirements!

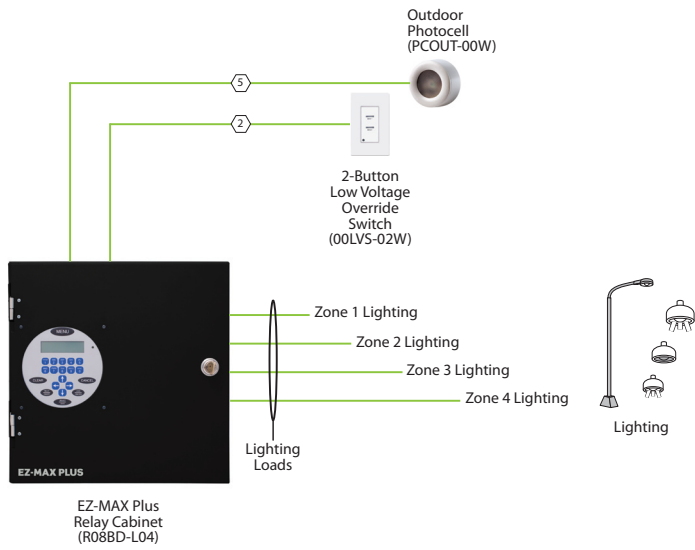
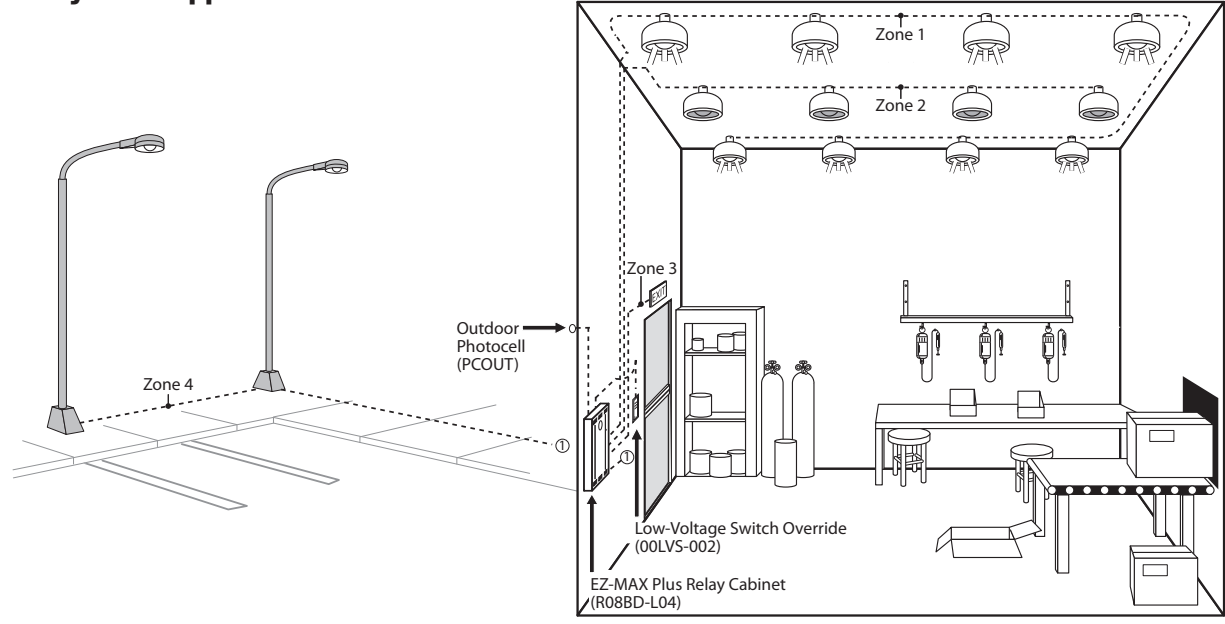
EZ-MAX Plus Applications



Wiring Callouts

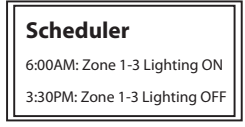
- ② (6) #18 AWG STRANDED CU CONTROL CONDUCTORS LABELED +V, SW#, LD# & SPARE.
- ③ (8) #18 AWG STRANDED CU CONTROL CONDUCTORS LABELED +V, SW#, LD# & SPARE.
- ⑤ (3) #18 AWG STRANDED CU CONTROL CONDUCTORS LABELED +24V, COMMON & IN.

Factory Floor Application



Factory Floor Applications

The EZ-MAX Plus panel has an easy to program scheduler module that quickly enables the installer to set up flexible time clock scenarios. Our configurable low voltage inputs make it easy to program a photocell and timed override switches (less than 5 minutes total).



EZ-MAX Plus Scheduler with Visual Programmer

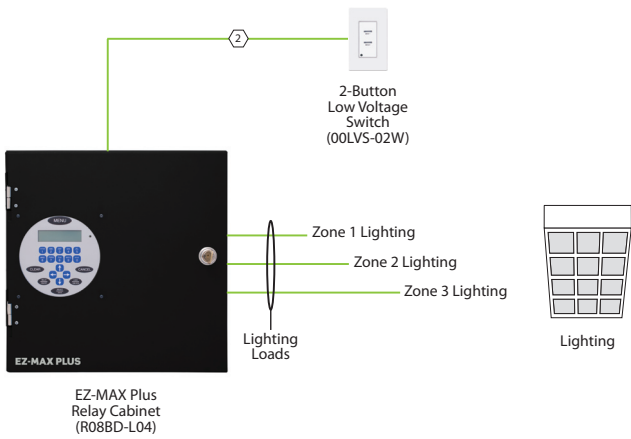
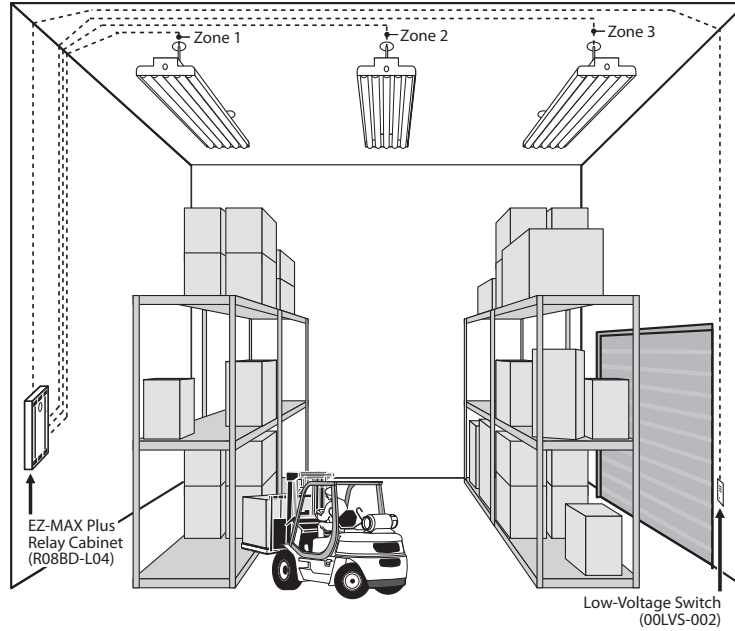
- Wiring Callouts**

 - ② (6) #18 AWG STRANDED CU CONTROL CONDUCTORS LABELED +V, SW#, LD# & SPARE.
 - ⑤ (3) #18 AWG STRANDED CU CONTROL CONDUCTORS LABELED +24V, COMMON & IN.

EZ-MAX Plus Applications

EZ-MAX PLUS APPLICATION COOKBOOK

Warehouse Floor Application



Warehouse Floor Applications

The EZ-MAX Plus panel has an easy to program scheduler module that quickly enables the installer to set up flexible time clock scenarios. Our configurable low voltage inputs make it easy to program a photocell and timed override switches (less than 5 minutes total).

Scheduler

6:00AM: Zone 1-3 Lighting ON
3:30PM: Zone 1-3 Lighting OFF

EZ-MAX Plus Scheduler with Visual Programmer

Wiring Callouts

(2) (6) #18 AWG STRANDED CU CONTROL CONDUCTORS LABELED +V, SW#, LD# & SPARE.

EZ-MAX Plus QuickStart Guide - SCHEDULER

SCHEDULER

Use the SCHEDULER menu to create, edit, or delete an event. An "event" is defined as any action that occurs at a specific time.

NEW EVENT

You can control your lighting based on an event schedule that you create. For example, you may want to create an event that turns all lights on at 6am Monday thru Friday, and another event that turns all lights off at 3:30pm Monday thru Friday.

Step 1: Press the **MENU** button.

Step 2: Press or until the display reads as below, then press **SELECT/SAVE**.

```
MAIN MENU SELECT
SCHEDULER
```

Step 3: Press until the display reads NEW EVENT, then press **SELECT/SAVE**.

```
SCHEDULER
NEW EVENT
```

Step 4: Use the numeric keypad to enter an event number (001-999) and press **SELECT/SAVE**.

```
ENTER EVENT #
E022:
```

The display will then prompt you to enter a "Time Type." You can set your event for a specific time of day, or according to sunrise and sunset. The example below shows how to set an event time based on the time of five minutes before sunrise.

Step 5: Press or to toggle between TIME OF DAY and SUNRISE/SUNSET, then press **SELECT/SAVE**.

```
ENTER TIME TYPE
TIME OF DAY
```

Step 6: Press or to toggle between SR+ and SS-. Use the numeric keypad to enter the time of the event, and press **SELECT/SAVE** when you have finished editing the fields.

```
ENTER TIME
6:00 AM
```

Step 7: Define whether or not this event will run on holidays. Press or to toggle between the three Holiday Mode choices. Press **SELECT/SAVE**

```
HOLIDAY MODE
HOLIDAY ENABLED
```

Step 8: Press to move through the days of the week. The active field (day of the week) will flash. Press zero (0) to disable a day of the week (displays as a slash), or press an alpha key to enable a day of the week. Press **SELECT/SAVE** when you have finished editing the fields.

```
ENTER DAYS OF WK
MTWTF--
```

Now define the Event Type and behavior.

Step 9: The example below is for a relay. Press or to toggle between the three choices until you get to RELAY, and press **SELECT/SAVE**.

```
SELECT RLY MODE
RELAY ON
```

Assign the relays that will be associated with this event. If there are 8 relays in your cabinet you will have to set each one to YES or IGNORE, depending on whether or not you want the relay to respond.

Step 10: Use the alphanumeric keys to input the relay number. Press to navigate to the IGNORE/YES field. Press or to toggle between YES and IGNORE and set any relays you want to be affected by this event to YES. Press **SELECT/SAVE** when you have finished setting all relays.



```
ASSIGN RELAYS
RELAY #01 YES
```

EZ-MAX PLUS APPLICATION COOKBOOK



EZ-MAX Plus QuickStart Guide - LOW VOLTAGE INPUTS - SWITCHES

LOW VOLTAGE INPUT - SWITCHES

Step 1: Press the **MENU** button.

Step 2: Press  or  until the display reads as below, then press **SELECT/SAVE**.

```
MAIN MENU SELECT
CONFIG INPUTS
```



Step 3: Press  or  to navigate to **LV INPUT**, and press **Select/Save**.

```
INPUT TYPE
LV INPUT
```




Step 4: Set the low voltage input for the switch.

```
SELECT INPUT
1: SWITCH
```



NOTE: If you are configuring a multi-button switch, the number you enter in the SWITCH field corresponds to a specific button on the switch. The top button on the switch would be #1 in the SWITCH field. The second button down would be #2 in the SWITCH field, and so on.

Step 5: Press  or  to choose a behavior for this particular button. Press **Select/Save**.

```
LV SWITCH TYPE
MOMENTARY
```

Step 6: Assign a relay (or multiple relays) to the switch. Press  or  to cycle through the relay numbers, or use the numeric keypad to enter a relay number. Press  to navigate to the next field and toggle **IGNORE** to **YES** if you want to assign the relay.

```
ASSIGN RELAYS
RELAY# 3: YES
```

Step 7: Continue to use the   to move between the relay field and the behavior field, and cycle through all relays until you have set all of them to YES or IGNORE. Press **Select/Save** when you have finished assigning all relays.

If you are configuring a multi-button switch, continue to repeat the above steps until you've configured all buttons on the switch.

EZ-MAX Plus QuickStart Guide - LOW VOLTAGE INPUTS - PHOTOCELL

LOW VOLTAGE INPUTS - PHOTOCELL

Step 1: Press the **MENU** button.

Step 2: Press or until the display reads as below, then press **SELECT/SAVE**.

```
MAIN MENU SELECT
CONFIG INPUTS
```

Step 3: Press or to navigate to LV INPUT, and press **Select/Save**.

```
INPUT TYPE
LV INPUT
```

Step 4: Use the numeric keypad to enter the input number for the photocell. Press to navigate to the next field, and press or to change the field to PHOTOCELL. Press **Select/Save**.

```
SELECT INPUT
2: PHOTOCELL
```

The next step is to choose the behavior of your photocell.

Step 5: Press or to select the behavior **EXTERIOR** and press **Select/Save**.

```
PHOTOCELL
EXTERIOR
```

The next step is to define a Delay Time.

- **Delay Time** —used to prevent rapid changes to lighting based on changing conditions in the environment. For example, clouds passing the sun which temporarily darkens the space. It is expressed in minutes and represents the length of contiguous time between trigger points in order for the relays to be turned on or off.

Step 6: Use the numeric keypad to enter a delay time, and press **Select/Save**.

```
PHOTOCELL
DELAY TIME: 5 M
```

Step 7: Press or to select the type of photocell (either 0-10 Volt or Switched), and press **Select/Save**.

```
PHOTOCELL TYPE
0-10 VOLT
```

If you choose 0-10 VOLT you will be prompted to provide a minimum activation (ON) voltage and a minimum OFF voltage setting.

- On Voltage must be a voltage between 1-10 VDC, AND must be less than the OFF voltage.
- OFF Voltage must be a voltage between 1-10 VDC, AND must be greater than the ON voltage.

Step 8: Enter the level, in volts, for which you desire these relays to be activated when the light levels are FALLING (ON). Press **Select/Save**.

```
PHOTOCELL
ON VOLTS: 4.0
```

Step 9: Enter the level, in volts, for which you desire these relays to be deactivated when the light levels are RISING (OFF). Press **Select/Save**.

```
PHOTOCELL
OFF VOLTS: 6.0
```

Step 10: Assign the relay (or relays) to this occupancy sensor. Press or to cycle through the relay numbers, or use the numeric keypad to enter a relay number. Press to navigate to the next field and toggle IGNORE to **YES** if you want to assign the relay.

```
ASSIGN RELAYS
RELAY# 3: YES
```

Step 11: Continue to use the to move between the RELAY field and the behavior field, and cycle through all relays until you have set all of them to YES or IGNORE. Press **Select/Save** when you have finished assigning all relays.

Leviton Manufacturing Co., Inc. Lighting Management Systems

20497 SW Teton Avenue, Tualatin, OR 97062

Telephone: 1-800-736-6682 • FAX: 503-404-5594 • Tech Line (6:00AM-4:00PM P.S.T. Monday-Friday): 1-800-959-6004

Leviton Manufacturing of Canada, Ltd.

165 Hymus Boulevard, Pointe Claire, Quebec H9R 1E9 • Telephone: 1-800-469-7890 • FAX: 1-800-563-1853

Leviton S. de R.L. de C.V.

Lago Tana 43, Mexico DF, Mexico CP 11290 • Tel. (+52) 55-5082-1040 • FAX: (+52) 5386-1797 • www.leviton.com.mx

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