# Multi-Gang Dimmers, De-rating, and Face Plates 

Product: Renoir® II Architectural Wall Box Dimmers Article ID: 20091214-DLB-Renoirll-01<br>Date: July 30, 2012 - REVISED

Summary: One of the Renoir II dimmer line features is that you can install multiple dimmers under a single face plate giving a unified installed appearance. This is called a multi-gang installation. When you have a multi-gang installation, dimmers may require de-rating and a special face plate may be required. This article discusses and gives guidance to these applications.

Information: When planning a multi-gang installation there are several factors which need to be considered:

1. What dimmer model do I need to control my load?
2. How many dimmers will be installed at the same location?
3. Are the installed dimmers, switches, remotes, etc. "narrow" or "wide"?
4. Do my dimmers have to be installed in a specific order?
5. Will my dimmers have fins broken or not?
6. Since I have a multi-gang application, do I need to de-rate my dimmers?
7. What size back box do I need?
8. What face plate do I need?
9. How can I ensure alignment of dimmers so that they don't sag?

This article gives you enough background information to guide you through the decision making process for each one of these items.

## What dimmer model do I need to control my load?

This question is best answered by a review of the product data sheets. Critical information is

1. the amount of load, expressed in Watts, VA, or Amps,
2. the load type, and
3. the desired dimmer aesthetic.

## How many dimmers will be installed at the same location?

The answer to this question is specific to each application. The Renoir II line supports installations with 0-6 narrow dimmers plus $0-4$ wide dimmers under the same face plate. This is called a multi-gang installation.

Are the installed dimmers, switches, remotes, etc. "narrow" or "wide"? Depending on the dimmer model and load capacity, the dimmers in use could be considered "narrow" or "wide" dimmers. The terms narrow or wide refer to the width of the heat sink. A narrow dimmer is 2.89 " wide, and a wide dimmer is $4.7^{\prime \prime}$ wide. Wider heat sinks are required in higher load capacity dimmers because more heat must be dissipated in order to keep the dimmer operating correctly.

Reference the product data sheets to see which dimmers are narrow or wide.

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## Do my dimmers have to be installed in a specific order?

Yes, please reference the "Dimmer Sequence, Back-Box Size, and Fin Removal Chart" within this document. It stipulates the sequence of dimmer installation. A specific sequence is required to ensure that device mounting holes line up with your back-box device mounting ears. The installation sequence is expressed by indicating where wide and/or narrow dimmers should be installed. For example, if you have an installation with (3) wide dimmers and (1) narrow dimmer, the indicated sequence is: "W+W+N+W" indicating that the installation or order is WIDE-WIDE-NARROW-WIDE.

## Will my dimmers have fins broken or not?

For most configurations including narrow and wide dimmers, there are two installation options, one with fins removed where possible and ones with all fins intact. The fins removed configuration allows you to keep the width to an absolute minimum while still getting the maximum performance out of the dimmer. Although there are dimmer rating implications when fins are broken, the decision to break them off or not is purely subjective. When in doubt, do not break fins off.

When the decision has been made to remove fins, not all fins should be removed. Please reference the "Dimmer Sequence, Back-Box Size, and Fin Removal Chart" within this document. It stipulates which fins should be removed and which ones should be left intact. The * indicates which fins are to be removed. For example, the string $\mathbf{W}^{*}+* \mathbf{W}+\mathbf{N}+\mathbf{W}$ indicates that when you have (3) wide dimmers and (1) narrow dimmer and you intend to remove fins, the fins should only be removed between the two adjacent Wide dimmers.

## Since I have a multi-gang application, do I need to de-rate my dimmers?

Most multi-gang installations require some sort of de-rating to ensure that the dimmers do not surpass their maximum internal temperature ratings. The amount of required de-rating is determined by the dimmer model and whether 0, 1, or 2 fins have been removed. Reference the charts below showing the rating of your dimmer determined by the number of broken fins.

## What size back box do I need?

Once you've determined the number of narrow and/or wide dimmers and whether or not you will be removing fins, the required back-box size can be simply determined by reviewing the "Dimmer Sequence, Back-Box Size, and Fin Removal Chart." Find the number of narrow dimmers in the rows and the number of wide dimmers in the columns. The intersection of the row/column plus Four-gang wallbox Single-gang wallbox information about whether or not fins are removed will lead you to the cell showing the required back-box size. When you find the syntax $4+1$ in the chart, it means that in order to accommodate this installation a 1-gang wall box should be installed adjacent to a 4 -gang wall box. The two are joined with a $3 / 4^{\prime \prime}$ chase nipple.

## What face plate do I need?

Like back-box size, the required face plate is determined by first establishing the number of narrow and/or wide dimmers and secondly, whether or not fins will broken. The "Dimmer Sequence, Back-Box Size, and Fin Removal Chart" also indicates which face plate is required for each installation. Required face plates for common configurations are in stock at all times. However, other configurations have a 4-6 week lead time for the face plate. Please make sure to account for this lead time in your project schedule.

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## Technical Article

## How can I ensure alignment of dimmers so that they don't sag?

In a multi-gang installation, alignment/joiner bars are provided to ensure uniform horizontal alignment across the installation. They are affixed to the dimmers prior to installation in the back-box by simply screwing them into the back of the heat sink. Note that joiner bars cannot be used in applications where fins have been removed.


De-rating Chart: Incandescent Dimmer (with Neutral), 120-277VAC/VCA, 60Hz

|  |  | 0 Fins Removed | 1 Fin <br> Removed | 2 Fins Removed |
| :---: | :---: | :---: | :---: | :---: |
| AWRMG-MA AWSMG-MA AMSMT-MA | Amps | 5.0 |  |  |
|  | VA @ 120V | 600 |  |  |
|  | VA@ 230V | 1150 |  |  |
|  | VA@277V | 1385 |  |  |
| AWSMT-MB | Amps | 8.3 | 6.5 | 5.3 |
|  | VA@120V | 1000 | 780 | 636 |
|  | VA@ 230V | 1917 | 1495 | 1219 |
|  | VA @ 277V | 2308 | 1801 | 1468 |
| AWRMG-MC AWSMG-MC | Amps | 12.5 |  | 12.3 |
|  | VA @ 120V | 1500 |  | 1476 |
|  | VA@ 230V | 2875 |  | 2829 |
|  | VA@277V | 3463 | 2885 | 3407 |
| AWRMG MD AWSMG_MD | Amps | 16.0 | 13.5 | 12.3 |
|  | VA @ 120V | 1920 | 1620 | 1479 |
|  | VA@ 230V | 3680 | 3105 | 2829 |
|  | VA@ 277V | 4432 | 3740 | 3407 |
| AWRMG-MB AWSMG-MB | Amps | 8.3 | 7.0 | 5.5 |
|  | VA @ 120V | 1000 | 840 | 660 |
|  | VA@ 230V | 1917 | 1610 | 1265 |
|  | VA@ 277V | 2308 | 1939 | 1524 |
| AWSMT-MC_ | Amps | 12.5 | 10.2 | 8.7 |
|  | VA @ 120V | 1500 | 1224 | 1044 |
|  | VA@ 230V | 2875 | 2346 | 2001 |
|  | VA@ 277V | 3463 | 2825 | 2410 |
| AWSMT_MD_ | Amps | 16.0 | 13.0 | 11.1 |
|  | VA @ 120V | 1920 | 1560 | 1332 |
|  | VA@ 230V | 3680 | 2990 | 2553 |
|  | VA@277V | 4432 | 3601 | 3075 |

De-rating Chart: Fluorescent - 0-10VDC Sinking Control, 120-277VAC/VCA, 60Hz

|  |  | O Fins <br> Removed | 1 Fin <br> Removed | 2 Fins <br> Removed |
| :--- | :---: | :---: | :---: | :---: |
| AWRMG-7D_ <br> AWRMT-7D_- <br> AWSMG-7D_ <br> AWSMT-7D_ | Amps |  | 16.0 |  |
|  | VA @ 120V |  | 1920 |  |
|  | VA @ 230V |  | 3680 |  |

De-rating Chart: Incandescent Non-Neutral Dimmer, 120VAC/VCA, 60Hz

|  |  | 0 Fins Removed | 1 Fin Removed | 2 Fins Removed |
| :---: | :---: | :---: | :---: | :---: |
| AWRMG-IA | Amps | 5.0 |  |  |
| AMSMT-IA | VA@ 120V | 600 |  |  |
| AWSMT-IB | Amps | 8.3 | 6.5 | 5.3 |
|  | VA@120V | 1000 | 780 | 636 |
| AWRMG-IC | Amps | 12.5 |  | 12.3 |
| AWSMG-IC | VA @ 120V | 1500 |  | 1476 |
| AWRMG-ID AWSMG-ID | Amps | 16.0 | 13.5 | 12.3 |
|  | VA@120V | 1920 | 1620 | 1476 |
| AWRMG-IB AWSMG-IB | Amps | 8.3 | 7.0 | 5.5 |
|  | VA @ 120V | 1000 | 840 | 660 |
| AWSMT-IC | Amps | 12.5 | 10.2 | 8.7 |
|  | VA@120V | 1500 | 1224 | 1044 |
| AWSMT-ID_ | Amps | 16.0 | 13.0 | 11.1 |
|  | VA@120V | 1920 | 1560 | 1332 |

De-rating Chart: Fluorescent - 3 Wire Phase Control, 120-277VAC/VCA, 60Hz

|  |  | 0 Fins Removed | 1 Fin Removed | 2 Fins Removed |
| :---: | :---: | :---: | :---: | :---: |
| AWRMG-HA AWSMG-HA AWSMT-HA | Amps | 5.0 |  |  |
|  | VA@ 120V | 600 |  |  |
|  | VA@ 230V | 1150 |  |  |
|  | VA@ 277V | 1385 |  |  |
| AWRMG-HB AWSMG-HB AWSMT-HB | Amps | 8.3 |  |  |
|  | VA@120V | 1000 |  |  |
|  | VA@ 230V | 1917 |  |  |
|  | VA@ 277V | 2308 |  |  |
| AWRMG-HC AWSMG-HC AWSMT-HC | Amps | 12.5 |  |  |
|  | VA@ 120V | 1500 |  |  |
|  | VA@ 230V | 2875 |  |  |
|  | VA@ 277V | 3463 |  |  |
| AWRMG-HD AWSMG-HD AWSMT-HD | Amps | 16.0 |  |  |
|  | VA@120V | 1920 |  |  |
|  | VA@ 230V | 3680 |  |  |
|  | VA@ 277V | 4432 |  |  |

De-rating Chart: Fluorescent - 2 Wire Phase Control, 120-277VAC/VCA, 60Hz

|  |  | 0 Fins Removed | 1 Fin Removed | 2 Fins Removed |
| :---: | :---: | :---: | :---: | :---: |
|  | Amps | 5.0 |  |  |
| AWRMG-XA | VA@ 120V | 600 |  |  |
| AWSMT-XA | VA@ 230V | 1150 |  |  |
|  | VA@ 277V | 1385 |  |  |
| AWSMT-XB | Amps | 8.3 | 6.5 | 5.3 |
|  | VA@ 120V | 1000 | 780 | 636 |
|  | VA@ 230V | 1917 | 1495 | 1219 |
|  | VA@ 277V | 2308 | 1801 | 1468 |
|  | Amps | 12.5 |  | 12.3 |
| AWRMG-XC | VA@ 120V | 1500 |  | 1476 |
| AWSMG-XC | VA@ 230V | 2875 |  | 2829 |
|  | VA @ 277V | 3463 |  | 3407 |
| AWRMG-XD <br> AWSMG-XD | Amps | 16 | 13.5 | 12.3 |
|  | VA@120V | 1920 | 1620 | 1476 |
|  | VA@ 230V | 3680 | 3105 | 2829 |
|  | VA@ 277V | 4432 | 3740 | 3407 |
| AWRMG-XB AWSMG-XB | Amps | 8.3 | 7.0 | 5.5 |
|  | VA@ 120V | 1000 | 840 | 660 |
|  | VA@ 230V | 1917 | 1610 | 1265 |
|  | VA@ 277V | 2308 | 1939 | 1524 |
| AWSMT-XC | Amps | 12.5 | 10.2 | 8.7 |
|  | VA@120V | 1500 | 1224 | 1044 |
|  | VA@ 230V | 2875 | 2346 | 2001 |
|  | VA@ 277V | 3463 | 2825 | 2410 |
| AWSMT-XD | Amps | 16.0 | 13.0 | 11.1 |
|  | VA@ 120V | 1920 | 1560 | 1332 |
|  | VA@ 230V | 3680 | 2990 | 2553 |
|  | VA@ 277V | 4432 | 3601 | 3075 |

## De-rating Chart: Electronic Low Voltage, 120-277VAC/VCA, 60Hz



## De-rating Chart: Switches

120-277VAC/VCA, 60 Hz

|  |  | 0 Fins Removed | 1 Fin Removed | 2 Fins Removed |
| :---: | :---: | :---: | :---: | :---: |
| AWWMG-0D AWWMT-OD | Amps | 15.0 |  |  |
|  | HP @ 120V | 1HP |  |  |
|  | HP @ 230V | 1.5HP |  |  |
|  | HP@277V | 1.5HP |  |  |
|  | VA@120V | 1920 |  |  |
|  | VA@230V | 3680 |  |  |
|  | VA@277V | 4432 |  |  |

De-rating Chart: Fan Speed Controls, Full Variable, Fully Quiet, 120-277VAC/VCA, 60Hz

|  |  | 0 Fins Removed | 1 Fin Removed | 2 Fins Removed |
| :---: | :---: | :---: | :---: | :---: |
| AWRMG-QA AWSMG-QA AWSMT-QA | Amps | 5.0 |  |  |
|  | VA@120V | 600 |  |  |
|  | VA @ 230V | 1150 |  |  |
|  | VA@277V | 1385 |  |  |
| AWSMT-QB | Amps | 8.3 | 6.5 | 5.3 |
|  | VA @ 120V | 1000 | 780 | 636 |
|  | VA @ 230V | 1917 | 1495 | 1219 |
|  | VA@277V | 2308 | 1801 | 1468 |
| AWRMG-QB AWSMG-QB | Amps | 8.3 | 7.0 | 5.5 |
|  | VA @ 120V | 1000 | 840 | 660 |
|  | VA@ 230V | 1917 | 1610 | 1265 |
|  | VA@ 277V | 2308 | 1939 | 1524 |

## Dimmer Sequence, Back-Box Size, and Fin Removal Chart

|  |  |  |  | Number \& Type of WIDE |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | 0 | 1 | 2 | 3 | 4 |
|  | 0 |  | Backbox \# Gangs | N/A | 1 | 4 | $6^{* *}$ | 9 |
|  |  |  | $\begin{array}{\|c\|} \hline \text { Device } \\ \text { Configuration } \\ \hline \end{array}$ |  | w | w+w | w+w+w | $w+w+w+w$ |
|  |  |  | Wall Plate Part \# |  | AWPOF-01x | AWPOF-02x | AWPOF-03x | AWPOF-04x |
|  |  |  | $\begin{aligned} & \hline \text { Backbox } \\ & \text { \# Gangs } \end{aligned}$ | not supported |  | 3 | 5 | 7 |
|  |  |  | Device Configuration |  |  | $W^{* * *}$ W | $W^{*}+{ }^{*} W^{*}+$ W | $W^{*}+W^{*}+W^{*}+$ W |
|  |  |  | Wall Plate Part \# |  |  | AWP00-02X | AWP00-03x | AWP00-04x |
|  | 1 |  | Backbox \# Gangs | 1 | 3 | 5 or 6 | 8 | 11 |
|  |  |  | Device <br> Configuration | N | w+N | W+N+w | $\mathrm{W}+\mathrm{W}+\mathrm{N}+\mathrm{W}$ | w+w+N+W+W |
|  |  |  | $\begin{gathered} \hline \text { Wall Plate } \\ \text { Part \# } \\ \hline \end{gathered}$ | AWPOF-10x | AWPOF-11x | AWPOF-12x | AWPOF-13x | AWPOF-14x |
|  |  |  | $\begin{aligned} & \text { Backbox } \\ & \text { \# Gangs } \\ & \hline \end{aligned}$ | not supported |  |  | 7 | 9 |
|  |  |  | Device <br> Configuration |  |  |  | W*** + + +W | $W^{*}+$ W $W+N+W^{*}+$ m |
|  |  |  | Wall Plate Part \# |  |  |  | AWP00-13x | AWP00-14x |
|  | 2 |  | $\begin{aligned} & \text { Backbox } \\ & \text { \# Gangs } \end{aligned}$ | 1+1 | ${ }^{3+1}$, or 5 | ${ }^{5+1 \times *}$ or 7 | 10 | 12 |
|  |  |  | Device Configuration | $\mathrm{N}+\mathrm{N}$ | W+N+N | W+N+N+W | $\mathrm{W}+\mathrm{W}+\mathrm{N}+\mathrm{N}+\mathrm{W}$ | $\mathrm{W}+\mathrm{W}+\mathrm{N}+\mathrm{N}+\mathrm{W}+\mathrm{W}$ |
|  |  |  | Wall Plate Part \# | AWPOF-20x | AWPOF-21x | AWPOF-22x | AWPOF-23x | AWPOF-24x |
|  |  |  | $\begin{aligned} & \text { Backbox } \\ & \text { \# Gangs } \end{aligned}$ | 2 | 4 | 6 | 8 | 10 |
|  |  |  | Device <br> Configuration | $\mathrm{N}^{*}+\mathrm{N}$ | W+N*** | $\mathrm{W}+\mathrm{N}^{*}+{ }^{*} \mathrm{~N}+\mathrm{W}$ | $\mathrm{W}^{*}+{ }^{*} \mathrm{~W}+\mathrm{N}^{*}+\mathrm{N}+\mathrm{W}$ | $W^{*}+{ }^{*} \mathrm{~W}+\mathrm{N}^{*}+{ }^{*} \mathrm{~N}^{+} \mathrm{W}^{*}+\mathrm{W}$ |
|  |  |  | Wall Plate Part \# | AWP00-20x | AWP00-21x | AWP00-22x | AWP00-23x | AWP00-24x |
|  | 3 | $\begin{aligned} & \text { ㄷ } \\ & \text { U } \\ & \frac{U}{U} \\ & \frac{0}{4} \end{aligned}$ | $\begin{aligned} & \text { Backbox } \\ & \text { \# Gangs } \\ & \hline \end{aligned}$ | $4^{* *}$ | $6^{* *}$ | 9 | 11 | 14 |
|  |  |  | Device <br> Configuration | N+N+N | $\mathrm{w}+\mathrm{N}+\mathrm{N}+\mathrm{N}$ | $\mathrm{W}+\mathrm{N}+\mathrm{N}+\mathrm{N}+\mathrm{W}$ | $\mathrm{W}+\mathrm{W}+\mathrm{N}+\mathrm{N}+\mathrm{N}+\mathrm{W}$ | $\mathrm{W}+\mathrm{W}+\mathrm{N}+\mathrm{N}+\mathrm{N}+\mathrm{W}+\mathrm{W}$ |
|  |  |  | Wall Plate Part \# | AWPOF-30x | AWPOF-31x | AWPOF-32x | AWPOF-33x | AWPOF-34x |
|  |  |  | Backbox \# Gangs | 3 | 5 | 7 | 9 | 11 |
|  |  |  | Device <br> Configuration | $\mathrm{N}^{*}+{ }^{*}{ }^{*}+\mathrm{N}$ | W+ $\mathrm{N}^{*}+\mathrm{N}^{*}+{ }^{+} \mathrm{N}$ | W+ $\mathrm{N}^{*}+\mathrm{N}^{*}+{ }^{*} \mathrm{~N}+\mathrm{W}$ | $W^{*}+{ }^{*} W+N^{*}+N^{*}+{ }^{*} N^{+} \mathrm{W}$ | $W^{*}+{ }^{*} \mathrm{~W}+\mathrm{N}^{*}+\mathrm{N}^{*}+{ }^{*} \mathrm{~N}^{+} \mathrm{W}^{*}+{ }^{+} \mathrm{W}$ |
|  |  |  | $\begin{aligned} & \text { Wall Plate } \\ & \text { Part \# } \end{aligned}$ | AWP00-30x | AWP00-31x | AWP00-32x | AWP00-33x | AWP00-34x |
|  | 4 |  | $\begin{aligned} & \text { Backbox } \\ & \text { \# Gangs } \\ & \hline \end{aligned}$ | $4+1^{* *}$ | $6+1^{* *}$ or 8 | $8+1^{* *}$ or 10 | 13 | 15 |
|  |  |  | Device <br> Configuration | $\mathrm{N}+\mathrm{N}+\mathrm{N}+\mathrm{N}$ |  | W+N+N+N+N+W | $\mathrm{W}+\mathrm{W}+\mathrm{N}+\mathrm{N}+\mathrm{N}+\mathrm{N}+\mathrm{W}$ | $\mathrm{W}+\mathrm{W}+\mathrm{N}+\mathrm{N}+\mathrm{N}+\mathrm{N}+\mathrm{W}+\mathrm{W}$ |
|  |  |  | $\begin{gathered} \text { Wall Plate } \\ \text { Part \# } \\ \hline \end{gathered}$ | AWP00-40x | AWP00-41x | AWP00-42x | AWP00-43x | AWP00-44x |
|  |  |  | Backbox \# Gangs | 4 | 6 | 8 | 10 | 12 |
|  |  |  | Device Configuration | $\mathrm{N}^{*}{ }^{*} \mathrm{~N}^{*}+\mathrm{N}^{*}+{ }^{*} \mathrm{~N}$ | W+ $+\mathrm{N}^{*}+\mathrm{N}^{*}+\mathrm{N}^{*}+{ }^{*} \mathrm{~N}$ | W+N*********N+W | $W^{*}+{ }^{*} \mathrm{~W}+\mathrm{N}^{*}+\mathrm{N}^{*}+{ }^{*} \mathrm{~N}^{*}+\mathrm{N}+\mathrm{W}$ | $W^{*}+{ }^{*} \mathrm{~W}+\mathrm{N}^{*}+\mathrm{N}^{*} \mathrm{~N}^{*} \mathrm{~N}^{*}+{ }^{*} \mathrm{~N}+\mathrm{W}^{*}+\mathrm{W}$ W |
|  |  |  | Wall Plate Part \# | AWP00-40x | AWP00-41x | AWP00-42x | AWP00-43x | AWP00-44x |
|  | 5 |  | $\begin{aligned} & \text { Backbox } \\ & \text { \# Gangs } \end{aligned}$ | $7{ }^{\text {** }}$ | $9^{* *}$ | 11** or 12 | 14 | 17 |
|  |  |  | Device Configuration | $\mathrm{N}+\mathrm{N}+\mathrm{N}+\mathrm{N}+\mathrm{N}$ |  | $\mathrm{W}+\mathrm{N}+\mathrm{N}+\mathrm{N}+\mathrm{N}+\mathrm{N}+\mathrm{W}$ | $\mathrm{W}+\mathrm{W}+\mathrm{N}+\mathrm{N}+\mathrm{N}+\mathrm{N}+\mathrm{N}+\mathrm{W}$ | $\mathrm{W}+\mathrm{W}+\mathrm{N}+\mathrm{N}+\mathrm{N}+\mathrm{N}+\mathrm{N}+\mathrm{W}+\mathrm{W}$ |
|  |  |  | Wall Plate Part \# | AWPOF-50x | AWPOF-51x | AWPOF-52x | AWPOF-53x | AWPOF-54x |
|  |  |  | $\begin{aligned} & \text { Backbox } \\ & \text { \# Gangs } \end{aligned}$ | 5 | 7 | 9 | 11 | 13 |
|  |  |  | Device <br> Configuration | $\mathrm{N}^{*}+{ }^{+} \mathrm{N}^{*}+\mathrm{N}^{*}+{ }^{+} \mathrm{N}^{*}+{ }^{*} \mathrm{~N}$ | W+ $\mathrm{N}^{*}+\mathrm{N}^{*}+\mathrm{N}^{*}+{ }^{+} \mathrm{N}^{*}+{ }^{*} \mathrm{~N}$ | W+ $\mathrm{N}^{*}+{ }^{*} \mathrm{~N}^{*}+\mathrm{N}^{*}+{ }^{*} \mathrm{~N}^{*}+\mathrm{N}+\mathrm{W}$ | $\mathrm{W}^{*}+\mathrm{W}^{+}+\mathrm{N}^{*}+\mathrm{N}^{*}+\mathrm{N}^{*}+\mathrm{N}^{*} \mathrm{~N}^{*} \mathrm{~N}+\mathrm{W}$ | $\mathrm{W}^{*}+{ }^{*} \mathrm{~W}+\mathrm{N}^{*}+\mathrm{N}^{*}+\mathrm{N}^{*}+{ }^{*} \mathrm{~N}^{*}+\mathrm{N}^{+}+\mathrm{W}^{*}+{ }^{+} \mathrm{W}$ |
|  |  |  | Wall Plate Part \# | AWP00-50x | AWP00-51x | AWP00-52x | AWP00-53x | AWP00-54x |
|  | 6 |  | $\begin{aligned} & \text { Backbox } \\ & \text { \# Gangs } \\ & \hline \end{aligned}$ | 7+1** | $9+1^{* *}$ or 11 | $11+1^{\text {** }}$ or 13 | 16 | 18 |
|  |  |  | Device Configuration | $\mathrm{N}+\mathrm{N}+\mathrm{N}+\mathrm{N}+\mathrm{N}+\mathrm{N}$ | $\mathrm{W}+\mathrm{N}+\mathrm{N}+\mathrm{N}+\mathrm{N}+\mathrm{N}+\mathrm{N}$ | $\mathrm{W}+\mathrm{N}+\mathrm{N}+\mathrm{N}+\mathrm{N}+\mathrm{N}+\mathrm{N}+\mathrm{W}$ | $\mathrm{W}+\mathrm{W}+\mathrm{N}+\mathrm{N}+\mathrm{N}+\mathrm{N}+\mathrm{N}+\mathrm{N}+\mathrm{W}$ | $\mathrm{W}+\mathrm{W}+\mathrm{N}+\mathrm{N}+\mathrm{N}+\mathrm{N}+\mathrm{N}+\mathrm{N}+\mathrm{W}+\mathrm{W}$ |
|  |  |  | Wall Plate Part \# | AWPOF-60x | AWPOF-61x | AWPOF-62x | AWPOF-63x | AWPOF-64x |
|  |  |  | Backbox \# Gangs | 6 | 8 | 10 | 12 | 14 |
|  |  |  | Device Configuration | $\mathrm{N}^{*}+\mathrm{N}^{*}+\mathrm{N}^{*}+\mathrm{N}^{*}+\mathrm{N}^{*}+{ }^{+} \mathrm{N}$ | W+ $\mathrm{N}^{*}+\mathrm{N}^{*}+{ }^{*} \mathrm{~N}^{*}+\mathrm{N}^{*}+{ }^{*} \mathrm{~N}^{*}+{ }^{*} \mathrm{~N}$ | W+ $N^{*}+{ }^{*} N^{*}+N^{*}+{ }^{*} N^{*}+{ }^{*} N^{*}+{ }^{*} N+W$ | $\mathrm{W}^{*}+{ }^{+} \mathrm{W}+\mathrm{N}^{*}+\mathrm{N}^{*}+\mathrm{N}^{*}+\mathrm{N}^{*}+\mathrm{N}^{*}+\mathrm{N}^{+}+\mathrm{W}$ |  |
|  |  |  | Wall Plate Part\# | AWP00-60x | AWP00-61x | AWP00-62x | AWP00-63x | AWP00-64x |
| 1. Find the cells that coorespond to your application by identifying the row with the number of Wide heatsink dimmers you have, and the columns that coorespond to the number of Narrow heat sink dimmers you have. In the cell you'll find the |  |  |  |  |  |  |  |  |
| 2. The number indicates the number of "Gangs" required. <br> 3. The letters under the number indicate the order dimmers should be installed, $\mathrm{N}=$ narrow, $\mathrm{W}=$ wide. |  |  |  |  |  |  |  |  |
| 3. The letters under the number indicate the order dimmers should be installed, $N=$ narrow, $W=$ wide.4. $W^{*}$ indicates that the right fin on the wide dimmer, $N^{*}$ indidicates that the right fin is broken on the narrow dimmer.$* W$ indicates that the lett fin on the wide dimmer, $*$ indidicates that the left fin in broken on the narrow dimmer.$* W^{*}$ indicates that both fins are broken on the wide dimmer, $* N^{*}$ indicates that both fins are borken on the narrow dimmer. |  |  |  |  |  |  |  |  |
| 5. ${ }^{\text {' }{ }^{\text {ax }} \text { - Indicates that use of jumper bars is required. Jumper bars can be found in the kit with the faceplate }}$ |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |

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## Technical Article

Contact: If you have any questions or concerns, please call LES technical support at (800) 959-6004.

