WARNINGS AND CAUTIONS:
To be installed and/or used in accordance with appropriate electrical codes and regulations.
If you are unsure about any part of these instructions, consult a qualified electrician.
To avoid overheating and possible damage to this device and other equipment, use only with the appropriate Advance Transformer 120/277V
Mark $7^{\text {TM }} 0-10 \mathrm{~V}$ (

## WARNINGS AND CAUTIONS:

Use only one (1) dimmer in a 3- or 4-way circuit. The switch(es) will turn the light on at the brightness level selected at the dimmer
Lighting fixture and dimmer must be grounded.
Use thect power at circuit breaker or fuse when servicing fixture.

- Use this device only with copper or copper clad wire. With aluminum wire use only devices marked CO/ALR or CU/AL


Step 2 Preparing wires:
NOTE: Ensure that low-voltage wiring for Gray and
Violet connection of dimmer) is installed at wall box that Vivilet connection of dimmer)
will house the IPT 10 Dimmer.
Pull off pre-cut insulation from Dimmer leads. Make sure that the ends of the wires from the wall box Mare suru that the ends of the w.
are straight (cut if necesssary). Remove 5 58" $(1.6 \mathrm{~cm})$ of insulation from each wire in the
wall loox (shown). wall box (shown
or 3 -Way Application, go to Step 3B.



Connect wires per wIRING DIAGRAM as follows: Screw wire nuts on clockwise making sure no bare
conductors show below the wire connectors. Secure conductors show below the wire connectors. Secure
each conneector with electrical tape.
Green dimmer Ground lead to Green or bare copper
wire in wall bor. Wire in wall bot.
Black dimmer lead tine Lot wall box wire.
Red dimmer lead without insulating labe Red dimmer lead without insulating label to Load wall Rex wire. Red dimmer lead should have Red insulation label latixied.
NOFEI If insulating labe is not atixixed to Red lead, Use a small wire nut or electrical tape to cap off. Violet dimmer lead to ( + ) Violet connection on ballast.
Garay dimmer Iead to t $(-)$ Gray connection on ballast.
Proceed to Step 4 .


Step $4 \begin{aligned} & \text { Testing yo } \\ & \text { wall box: }\end{aligned}$


Connect wires per WIRING DIAGRAM as follows: Screw wire nuts on clockwise making sure no bare
conductors show below the wire connectors. Secure conductors show below the wire con
each connector with electrical tape.
NOTEE Dimmer can be installed on either the Load or
Line side. Green
wire in wall - Black dimmer lead to taged (common) wall box wir identified.
Remove Red insulating label from Red lead. Any Red dimmer lead to Line Hot wall box wir
Remaining Red dimmer lead to the Load Hot Remaning Red dimmer lead to the Load Hot
wail bor xire.
Violet dimmer lead to (+) Violet connection o Violet dimmer lead to ( + ) Violet connection o
ballast
Gray dimmer lead to $(-)$ Gray conection on

$$
\begin{aligned}
& \text { ballast idmer lead to (-) Gray connection on } \\
& \text { Gallast. }
\end{aligned}
$$

Step Dimmer Mounting: $\square$


Step $6 \begin{aligned} & \text { Restore Power: Restore po } \\ & \text { fuse. Installation is complete. }\end{aligned}$

Wiring Diagram 4 4 Lwo Location Control with ODP Power Pack Application
$\begin{gathered}\text { Wiring Diagram } 2\end{gathered}$
Single Location Control with ODP Power Pack Application


## OPERATION

$\square$ NOTE: The indicator light will illuminate when the Load is OFF to
NOTE: If using the dimmer in a 3 -way application, the lights
will turn ON at brighness set on dimmers's slide control lever The ights can be controlled from either the dimmer or

ONOFF:
Depress push-button switch to ON
position Lights will thn Depress push-button switch to OFF
position - Lights will turn OFF. BRIGHTEN \& DIM: Move slider control lever - Lights will
BRIGHTEN or DIM.

TROUBLESHOOTING
Lights Filicering

- Lamp has a bad
Lamp has a bad connection.
Wires not secured firmly with wire connectors.
Light does not turn ON and
ONOFF LED does not turn ON
Circuit breaker or fuse has tripped.
- Lamp is burred out
- Lamp Neutral connection is not wired.

NOTE: If further information is needed in identifying the HOT wire
in a 3 -Way application, go to Leviton's website at www.leviton.com.

For non-standard wiring
applications, refer to wire

| Nut and Connector Size Chart |
| :--- |
| WIRE CONNECTOR /\# OF COND. |

WRE CONNECTOR / \# OF COND.
COMBINATION CHART
$1-\# 12 \mathrm{w} / 1$ to $3 \# 14 . \# 16$ on
2- \#12 w/ 1 or $2 \# 16$ or $\# 18$
2. \#1 $w /$ or $2 \# 16$ or \#1
$1-\# 14 w / 1$ to $4 \# 16$ or \#1

Table 1
Cat. No. IP710, 120/277V, For use with Advance
Transtormer 120/277V Mark 7TM Electronic Ballasts

|  | Lamp | Max. \# Balasasts Dimmer for Mulitigang |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Vollage | ${ }^{12007 a @}$ | ${ }^{1500 v a @}$ |
| R27-132 | F2578 | 120 | ${ }^{47}$ | NA |
| RZT-2332 | F2578 | ${ }^{120}$ | ${ }^{23}$ | NA |
| RZT-3332 | ${ }^{\text {F2578 }}$ | ${ }^{120}$ | 15 | NA |
| R27-132 | F3278 | ${ }^{120}$ | ${ }^{35}$ | NA |
| RZT-2332 | F3278 | ${ }^{120}$ | 18 | NA |
| RZT-3332 | F3278 | ${ }^{120}$ | 12 | NA |
| RZT-1TTS40 | FT40W12G11 | 120 | ${ }^{31}$ | NA |
| VZT-4332 | F1778 | 277 | NA | ${ }^{21}$ |
| VZT-132 | F2578 | 277 | NA | 50 |
| VDC-2382-TP | F2578 | 277 | NA | 31 |
| VZT-2382 | F2578 | 277 | NA |  |
| VZT-3332 | F2578 | ${ }^{277}$ | NA | 19 |
| VZT-4332 | F2578 | 277 | NA | 15 |
| VZT-132 | F3278 | 277 | NA | 45 |
| voc-2332-TP | F3278 | 277 | NA | 24 |
| VZT-2332 | F3278 | 277 | NA | 22 |
| vzT-3332 | F3278 | 27 | NA | 15 |
| VZT-4832 | F3278 | 277 | NA | 12 |
| LT-1T42-M2-ES@120 | CFM26WIGX240 | ${ }^{120-277}$ | 40 | NA |
| LZT-T142-M2-BS@277 | CFM26WIGX240 | $120-27$ | NA | 49 |
| LIT-1442-M2-L@@120 | CFFN26WGK240 | ${ }^{120-277}$ | 40 | NA |
| LIT-1442-M2-LOQ277 | CFFM26WGK240 | 120277 | NA | 49 |
| LTT-220-M2-BS@120 | CFFM26WGX240 | 120.277 | 20 | NA |
| LTT-2026-M2-BS@277 | CFFM26WGK240 | ${ }^{120-277}$ | NA | ${ }^{25}$ |
| LTT-2026-M2-LD@120 | CFFR26WIGX240 | ${ }^{120-277}$ | ${ }^{20}$ |  |
| LTT-2026-M2-LD@ ${ }^{\text {a }}$ | CFM26WIGX240 | ${ }^{120-277}$ | NA | ${ }^{25}$ |
| LTT-142-M2-BS@120 | CFF32WWGX240 | $120-277$ | 30 | NA |
| LTT-142-M2-ES@277 | CFF332WGX240 | ${ }^{120.277}$ | NA | 38 |
| LTT-142-M2-LD@120 | CFF332WGX240 | ${ }^{120-277}$ | 30 | NA |
| \|TT-142-M2-L@Q27] | CFF32WVGX240 | ${ }^{120277}$ | NA | ${ }^{38}$ |
| LIT-2T42-M3:BS@120 | CFF32WIGX240 | ${ }^{120-277}$ | 15 | NA |
| LTT-2T42-M3:BS@277 | CFF322WGX240 | $120-277$ | NA | 20 |
| LT-2-242-M3-LD@120 | CFFM32WGX240 | $120-277$ | 15 | NA |
| LTT-2T42-M3-LD@ ${ }^{\text {a }}$ | CFF32WVGX240 | ${ }^{120-277}$ | NA | 20 |
| LTT-142-M2-BS@120 | CFFM2WVGX240 | ${ }^{120-277}$ | 23 | NA |
| LZT-142-M2-BS@277 | CFFM2WIGX240 | $120-277$ | NA | 30 |
| LTT-142-M2-LO@120 | CFFM2WGEX240 | $120-277$ | ${ }^{23}$ | Na |
| LTT-142-M2-LD@ ${ }^{\text {a }}$ | CFFM2WIGX240 | ${ }^{120-277}$ | NA | 30 |
| ITT-2T42-M3-BS@ ${ }^{\text {a }}$ 20 | CFFM2WVGX240 | ${ }^{120-277}$ | 12 | NA |
| LIT-2T42-M3:B@@ ${ }^{\text {a }}$ | CFFM2WVGX240 | $120-277$ | NA | 15 |
| LIT-2T42-M3-LD@ 120 | CFFM2WVGX240 | $120-277$ | 12 | NA |
| LTT-2T42-M3-LD@277 | CFM42WIGX240 | ${ }^{120277}$ | NA | 15 |
| [ZT-1T12-M2-B@@ 12 | CFa22WWG240 | ${ }^{120-277}$ | 40 | NA |

## MAXIMUM NUMBER OF BALLASTS THAT CAN BE CONNECTED TO A SINGLE DIMMER

Cat. No. IP770, 120/277V) For use with 120/277V
OSRAM Sylvania Quickronic Helios Electronic Ballasts

| $\begin{aligned} & \hline \text { OSRAM Sylvania } \\ & \text { Quicktronic Helios } \\ & \text { Part No. } \end{aligned}$ | Lamp | Max.: B Balasasis Simmer for Multigang |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Volage |  |  |
|  | F1778 | ${ }^{120}$ | 50 | NA |
| QTPXX3278120 Dimb.B | F801678 | ${ }^{120}$ | 50 | NA |
|  | F2578 | 120 | 43 | NA |
|  | F80248 | ${ }^{120}$ | 45 | NA |
| QTP1x32T812120 Dimber | F3278 | 120 | ${ }^{37}$ | NA |
| OTP $1 \times 32788120$ Dimb-B | FB03278U/6 | 120 | ${ }^{37}$ | NA |
|  | F803178 | ${ }^{120}$ | ${ }^{38}$ | NA |
| OTP2x32781/20 Dimber | F3278 | ${ }^{120}$ | ${ }^{17}$ | NA |
| QTP2x32788120 Dim5. | FB03278U/6 | ${ }^{120}$ | 17 | NA |
|  | F803178U | ${ }^{120}$ | 18 | NA |
|  | F3278 | ${ }^{120}$ | 12 | NA |
|  | FB03278U/6 | 120 | 12 | NA |
|  | F803178U | 120 | ${ }^{13}$ | NA |
| QTP44327T8120 Dim $10 . \mathrm{B}$ | F32T8 | ${ }^{120}$ | 9 | NA |
| CTP4433278120 Dim 10 -B | FB03278U/6 | ${ }^{120}$ | 9 | NA |
| OTP4433278120 ${ }^{\text {imim } 10 . B}$ | F803178U | 120 | 9 | NA |
| OTP $\times$ P32782277 DimbeB | F1778 | ${ }^{277}$ | NA | 50 |
| QTP $\times$ 32788277 Dim $5 . \mathrm{B}$ | F801678 | 277 | NA | 50 |
| QTPYx3278277 Dimb B | F2578 | ${ }^{277}$ | NA | 50 |
|  | F802478 | ${ }^{277}$ | NA | 50 |
| QTP1x32782777 Dimb | F3278 | ${ }^{277}$ | NA | 45 |
| QTP $1 \times 32788277$ Dimb 5 | FB03278U/6 | ${ }^{277}$ | NA | 45 |
| atplx3278277 Dimbeb | F803178U | 277 | NA | 45 |
| QTP2x32788277 Dimber | F3278 | ${ }^{277}$ | NA | ${ }^{21}$ |
| QTP2x32782777 Dimb.b | FB63278U/6 | 277 | NA | ${ }^{21}$ |
| QTP2x32788277 Dimb b | F803178U | ${ }^{277}$ | NA | 22 |
| QTP3x3278277 Dimb-Q | F3278 | ${ }^{277}$ | NA | 15 |
| QтP3x32782277 Dimb0 | FB03278U/6 | ${ }^{277}$ | NA | ${ }^{15}$ |
| QTP3 3 32782777 Dim5 0 | F803178U | ${ }^{277}$ | NA | 16 |
| QTP44322782777imiob | $\mathrm{F}^{3278}$ | ${ }_{2}^{277}$ | NA |  |
| QTP4433278277 ${ }^{\text {im }} 10 . \mathrm{B}$ | FB03278U/6 | ${ }^{277}$ | NA |  |
| OTP4433278277 Dim 10.8 | F803178U | ${ }^{277}$ | NA | 10 |
| QTT1654120PHo-im | FP54T5H0 | ${ }^{120}$ | ${ }^{18}$ | NA |
| QT2र544120PHo-Dim | FP54T5H0 | ${ }^{120}$ | 9 |  |
| QT1 $1 \times 54120 \mathrm{PH}+$-Dim | Fris5l | 120 | 19 | NA |
|  | FT550L | ${ }^{120}$ | 10 | NA |
| OTT1654120PHo-Dim | FPC55 | ${ }^{120}$ | 19 | NA |
| QT2र54120PHo-Dim | FPC55 | ${ }^{120}$ | 10 | NA |
| атT1 $\times$ ¢42727PHo-Vim | FP5475H0 | ${ }^{277}$ | NA | ${ }^{23}$ |
| QT2र544277PHo-Dim | FP54T5H0 | ${ }^{277}$ | NA | 12 |
| OT $1 \times 54277$ PHo-Dim | FFT550 | ${ }^{277}$ | NA | ${ }^{24}$ |
| OT2<542777PHo-Dim | Frf55l | ${ }^{277}$ | NA | ${ }^{12}$ |
| OT1 $1 \times 5427$ 7PH0-Dim | fPC55 | 277 | NA | 24 |
| QT2<54277PHo-Dim | FPC55 | 277 | NA | 12 |


| Table 3 |
| :--- |
| $\begin{array}{l}\text { Cat. No. IP7 10, } 120 / 277 \mathrm{~V}, \text { For use with Advance Transtormer } \\ \text { 120/277V Mark } 7 \text { TM Electronic Ballasts and ODP Power Pack }\end{array}$ |





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