

Nova T☆ Controls

This series of classic thin-profile linear-slide dimmers and switches offers the following standard features:

- Square Law Dimming
- Voltage compensation (not applicable to NTCL-250)
- Power-failure memory
- Superior RFI suppression
- Captive linear slider
- Accessible air-gap switch
- Electrostatic discharge tested
- Precise color matching
- Heavy-duty components for surge protection and long product life
- 100% factory tested

Product Family Features

- Available for 120–277~ line voltage switching (sink only control) 0–10 V_{DC} LED drivers and ballasts (power pack not required for loads up to 8 A)
- Excellent for residential or commercial applications
- Intuitive operation; easy to use
- Slide-to-off and preset models available
- Enclosed heat sink for aesthetically pleasing appearance
- Multi-gang alignment for quick and easy installation
- Full family of products for most lighting sources, plus matching accessories and wallplates
- Rated at 120 V~ 60 Hz, unless noted otherwise
- Custom products (CPN) are available to meet specific customer needs. Please contact Lutron® Customer Service at 888.588.7661 for availability.

Regulatory Approvals

- UL®
- CSA
- NOM

Colors and Finishes

When ordering product for use with metal wallplates, the product and wallplate must be ordered separately. See the “Architectural Wallplates and Accessories” section of **Volume 1: Basic Devices and Single-Space Systems Catalog (P/N 367-1746)** for ordering procedure. See table to the right for complete list of metal finishes.

Custom color matching is available for all Nova T☆ products. A swatch or sample is all that is required. Call customer service to arrange for a color-matched control.



Slide-to-Off Controls
Select light level with slider; slide down to OFF



Preset Controls
Select light level with slider; press ON/OFF

Engraving is available for all Nova T☆ products. Engraving schedules are available at www.lutron.com/engraving or through Customer Service at 888.588.7661.

Available Colors and Finishes

Matte Finishes

To order, add color/finish suffix code to model number. Example: NT-600-**WH**

| Code | Color |
|------|--------|
| WH | White |
| TP | Taupe |
| AL | Almond |
| BL | Black |

| Code | Color |
|------|--------------|
| GR | Gray |
| IV | Ivory |
| LA | Light Almond |

| Code | Color |
|------|--------|
| BE | Beige |
| SI | Sienna |
| BR | Brown |

Special Order

To order, add color/finish suffix code to model number. Example: NT-600-**BB**

Metal Finishes

| Code | Color |
|------|---------------|
| SB | Satin Brass |
| BC | Bright Chrome |

| Code | Color |
|------|--------------|
| BB | Bright Brass |

Special Metal Finishes

| Code | Color |
|------|---------------|
| QB | Antique Brass |
| SC | Satin Chrome |
| BN | Bright Nickel |

| Code | Color |
|------|----------------|
| QZ | Antique Bronze |
| SN | Satin Nickel |

Anodized Aluminum Finishes

| Code | Color |
|------|-------|
| CLA | Clear |

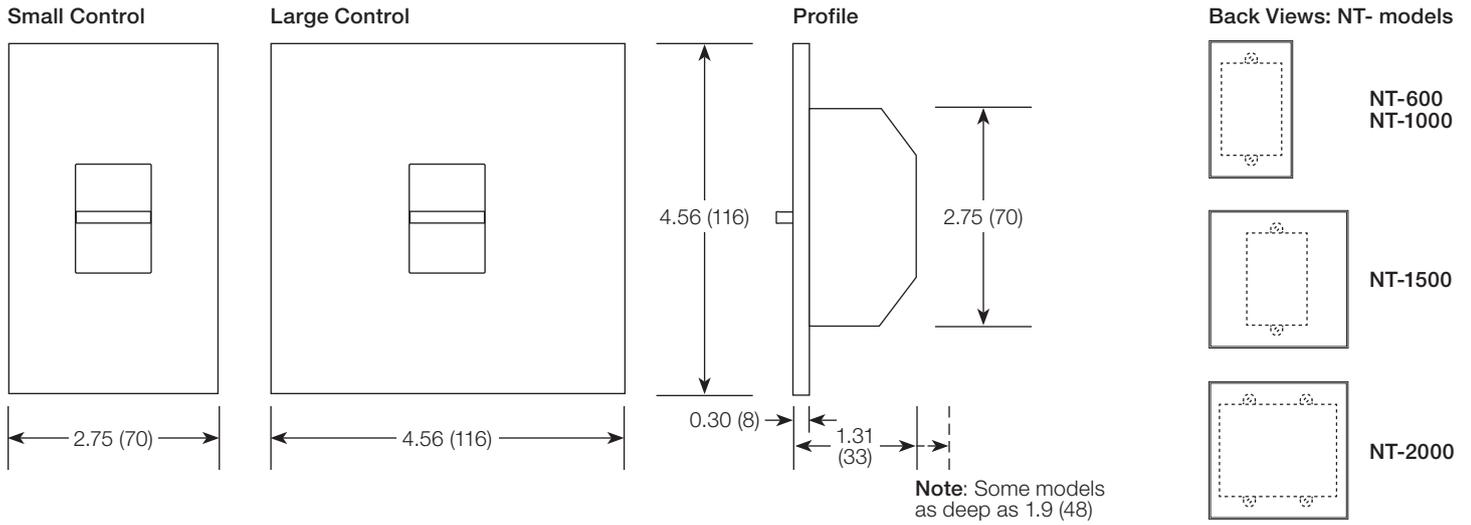
| Code | Color |
|------|-------|
| BLA | Black |

| Code | Color |
|------|-------|
| BRA | Brass |

| | |
|--------------------|-----------------------|
| Job Name: | Model Numbers: |
| Job Number: | |

Dimensions

Measurements shown as: in (mm)

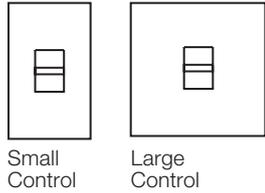


Available Controls and Accessories (Summary)

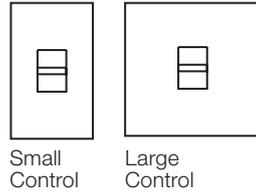
For specific uses, capacities, and model numbers, see the following pages.

Controls

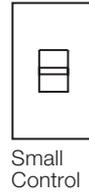
Slide-to-Off Dimmers



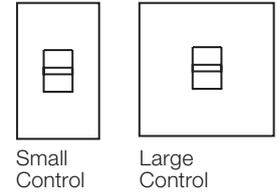
Preset Dimmers



Linear-Slide Switches

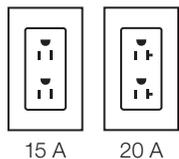


Slide-to-Off Fan-Speed Controls

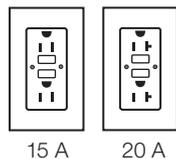


Receptacles and Plugs

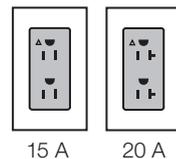
Receptacles



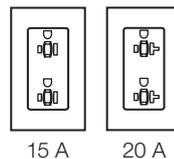
GFCI Receptacles



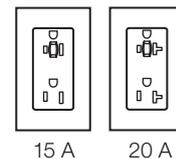
Isolated Ground Receptacles



Duplex for Dimming Use



Half for Dimming Use

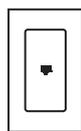


Replacement Plug for Dimming Use

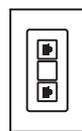


Jacks and Ports

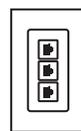
Single Telephone



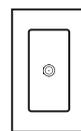
Double Telephone



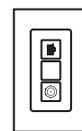
Triple Telephone



Cable TV



Telephone/Cable TV



6-Port Frame



| | |
|--------------------|-----------------------|
| Job Name: | Model Numbers: |
| Job Number: | |

Control Specifications

|  Incandescent Dimmers: Slide-to-Off | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|-------------------------------------------------------------|---------------------|
|  <i>Small Control</i> | <i>Description</i> | <i>Maximum Capacity</i> | <i>Model Number</i> |
|  <i>Small Control</i> | Single pole 120 V~ 60 Hz | 600 W | NT-600-XX |
| | Single pole 120 V~ 60 Hz | 1000 W | NT-1000-XX |
|  <i>Large Control</i> | Single pole 120 V~ 60 Hz | 1500 W | NT-1500-XX |
| | Single pole 120 V~ 60 Hz | 1950 W | NT-2000-XX |
| <ul style="list-style-type: none"> The NT-2000-XX does not have removable side sections; it can be ganged but must be kept intact. The NT-2000-XX requires a 2-gang wallbox. | | | |
|  Incandescent Dimmers: Preset | | | |
|  <i>Small Control</i> | <i>Description</i> | <i>Maximum Capacity</i> | <i>Model Number</i> |
|  <i>Small Control</i> | Single pole/3-way/4-way 120 V~ 60 Hz | 600 W | NT-603P-XX |
| | Single pole/3-way/4-way 120 V~ 60 Hz | 1000 W | NT-1003P-XX |
|  <i>Large Control</i> | Single pole/3-way/4-way 120 V~ 60 Hz | 1500 W | NT-1503P-XX |
| <ul style="list-style-type: none"> For 3-way or 4-way switching, use NT-3PS-XX (3-way), NT-4PS-XX (4-way), or other mechanical switches. | | | |
|  C•L® Dimmers: Slide-to-Off | | | |
|  <i>Small Control</i> | <i>Description</i> | <i>Maximum Capacity</i> | <i>Model Number</i> |
|  <i>Small Control</i> | Dimmable CFL/LED Single pole 120 V~ 60 Hz | 250 W | NTCL-250-XX |
| | Incandescent/Halogen Single pole 120 V~ 60 Hz | 1000 W | |
| | Hi-lume® 1% 2-Wire LTE LED driver Single pole 120 V~ 60 Hz | 400 W (maximum of 10 drivers) | |
| | Mixed bulb type Single pole 120 V~ 60 Hz | See Derating: Maximum Capacities in Multigang Installations | |
| Application requirements: <ul style="list-style-type: none"> When dimming CFLs or LEDs, only bulbs marked or rated as dimmable and on the recommended list may be used. For a complete list of recommended dimmable CFLs and LEDs please visit www.lutron.com/dimcflled. For questions call 1.844.LUTRON1. Some dimmable CFLs and LEDs require a minimum number of bulbs for proper operation. For details and the bulb list, visit www.lutron.com/dimcflled For LED product selection tool, visit www.lutron.com/ledtool Features: <ul style="list-style-type: none"> Low-end adjustment to accommodate a wide range of bulbs. HEDT Technology: Advanced Lutron® dimming circuitry designed for compatibility with most high efficacy light bulbs. NEMA SSL-7A Type 2 compliant. | | | |
|  Electronic Low-Voltage (ELV) Dimmers: Slide-to-Off | | | |
|  <i>Small Control</i> | <i>Description</i> | <i>Maximum Capacity</i> | <i>Model Number</i> |
|  <i>Small Control</i> | Single pole 120 V~ 60 Hz | 300 W | NTELV-300-XX |
| | Single pole 120 V~ 60 Hz | 600 W | NTELV-600-XX |
| <ul style="list-style-type: none"> Maximum capacity is permitted lamp wattage. Requires neutral wire connection. For larger capacity ELV loads (up to 1000 W), use Nova T☆ fluorescent dimmers (NTF-10-XX or NTF-103P-XX) with a PHPM-WBX interface. | | | |

(continued on next page...)

| | |
|--------------------------------------------|-----------------------|
| Job Name: Job Number: | Model Numbers: |
|--------------------------------------------|-----------------------|

Control Specifications (continued)

|  Magnetic Low-Voltage (MLV) Dimmers: Slide-to-Off | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-------------------------|---------------------|
|  Small Control | <i>Description</i> | <i>Maximum Capacity</i> | <i>Model Number</i> |
| | Single pole 120 V~ 60 Hz | 600 VA / 450 W | NTLV-600-XX |
| | Single pole 277 V~ 60 Hz | 600 VA / 450 W | NTLV-600-277-XX |
| | Single pole 120 V~ 60 Hz | 1000 VA / 800 W | NTLV-1000-XX |
| | Single pole 277 V~ 60 Hz | 1000 VA / 800 W | NTLV-1000-277-XX |
|  Large Control | Single pole 120 V~ 60 Hz | 1500 VA / 1200 W | NTLV-1500-XX |
| <ul style="list-style-type: none"> • Maximum capacity is permitted lamp wattage. • 277 V~ models require neutral wire connection. | | | |
|  Magnetic Low-Voltage (MLV) Dimmers: Preset | | | |
|  Small Control | <i>Description</i> | <i>Maximum Capacity</i> | <i>Model Number</i> |
| | Single pole/3-way/4-way 120 V~ 60 Hz | 600 VA / 450 W | NTLV-603P-XX |
| | Single pole/3-way/4-way 120 V~ 60 Hz | 1000 VA / 800 W | NTLV-1003P-XX |
|  Large Control | Single pole/3-way/4-way 120 V~ 60 Hz | 1500 VA / 1200 W | NTLV-1503P-XX |
| <ul style="list-style-type: none"> • For 3-way or 4-way switching, use NT-3PS-XX (3-way), NT-4PS-XX (4-way), or other mechanical switches. | | | |
|  Fluorescent Dimmers for Lutron® 3-wire fluorescent ballasts or LED drivers: Slide-to-Off | | | |
|  Small Control | <i>Description</i> | <i>Maximum Capacity</i> | <i>Model Number</i> |
| | Single pole 120 V~ 60 Hz | 16 A | NTF-10-XX |
| | Single pole 277 V~ 60 Hz | 8 A | NTF-10-277-XX |
| <ul style="list-style-type: none"> • Use with Lutron® 3-wire fluorescent ballasts or LED drivers only. • For LED loads, please see the "Report Cards" at www.lutron.com/ledtool for proper loading of the dimmer. • No derating required. • To determine the number of ballasts that can be controlled by Nova T★® fluorescent dimmer, divide the control capacity by the ballast current. | | | |
|  Fluorescent Dimmers for Lutron® 3-wire fluorescent ballasts or LED Drivers: Preset | | | |
|  Small Control | <i>Description</i> | <i>Maximum Capacity</i> | <i>Model Number</i> |
| | Single pole/3-way 120 V~ 60 Hz | 8 A | NTF-103P-XX |
| | Single pole/3-way 277 V~ 60 Hz | 6 A | NTF-103P-277-XX |
| <ul style="list-style-type: none"> • Use with Lutron® 3-wire fluorescent ballasts or LED drivers only. • For LED loads, please see the "Report Cards" at www.lutron.com/ledtool for proper loading of the dimmer. • For 3-way or 4-way switching, use NT-3PS-XX (3-way), NT-4PS-XX (4-way), or other mechanical switches. No derating required. • To determine the number of ballasts that can be controlled by Nova T★® fluorescent dimmer, divide the control capacity by the ballast current. | | | |

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| | |
|--------------------|-----------------------|
| Job Name: | Model Numbers: |
| Job Number: | |

Control Specifications (continued)

| 0–10 V _{DC} Dimmers for Electronic Ballasts or LED Drivers: Slide-to-Off | | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|--------------------------|---------------------------------|---------------------|
|  Small Control | <i>Description</i> | <i>Maximum Capacity*</i> | | <i>Model Number</i> |
| | Single pole 0–10 V _{DC} 120–277 V _{AC} | <i>Load</i> | <i>0–10 V_{DC} Sink</i> | |
| | | 8 A | 30 mA | |
| <ul style="list-style-type: none"> Power pack not required for loads up to 8 A. May use Lutron® power pack (model PP-DV or PP347H; see Lutron® P/N 369544) for higher load current applications or for Class 2 installations. Works with all ballasts and drivers that provide a current source compliant to IEC 60629 Annex E.2, and whose inrush current does not exceed NEMA410 standards for electronic ballast/driver loads of 8 A steady-state current. Refer to LED driver and ballast manufacturer's specification for 0–10 V_{DC} sink currents. Control has a high and low end trim to adjust the 0–10 V_{DC} output for optimal dimming performance. <p>* Limited by whichever rating is achieved first.</p> | | | | |
| Fluorescent Dimmers for Tu-Wire® Electronic Ballasts: Slide-to-Off | | | | |
|  Small Control | <i>Description</i> | <i>Maximum Capacity</i> | | <i>Model Number</i> |
| | Single pole 120 V _{AC} 60 Hz | 5 A | | |
| | Single pole 277 V _{AC} 60 Hz | 5 A | | |
| <ul style="list-style-type: none"> Use with Lutron® Tu-Wire® line voltage control electronic dimming ballasts only. To determine the number of ballasts that can be controlled by Nova T★® fluorescent dimmer, divide the control capacity by the ballast current. Compatible with Advance® Mark X® and Sylvania Powersense® ballasts. | | | | |
| Fluorescent Dimmers for Advance® Mark X® VEZ series 277 V _{AC} Ballasts: Preset | | | | |
|  Small Control | <i>Description</i> | <i>Maximum Capacity</i> | | <i>Model Number</i> |
| | 3-way 277 V _{AC} 60 Hz | 3 A | | |
| <ul style="list-style-type: none"> For control of permanently installed Advance® Mark X® VEZ series 277 V_{AC} ballasts only. Install on load side only. No derating required. To determine the number of ballasts that can be controlled by Nova T★® fluorescent dimmer, divide the control capacity by the ballast current. | | | | |
| Linear-Slide Switches for General Purpose: All Sources and Motor Loads | | | | |
|  Small Control | <i>Description</i> | <i>Maximum Capacity</i> | | <i>Model Number</i> |
| | Single pole 120/277 V _{AC} 60 Hz | 20 A | | |
| | 3-way 120/277 V _{AC} 60 Hz | 20 A | | |
| | 4-way 120/277 V _{AC} 60 Hz | 20 A | | |
| <ul style="list-style-type: none"> No derating required. | | | | |

Advance and Mark X are registered trademarks of Phillips Corporation.
Powersense is a registered trademark of Sylvania Corporation.

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| | |
|--------------------|-----------------------|
| Job Name: | Model Numbers: |
| Job Number: | |

Control Specifications (continued)

|  Fan-Speed Controls: Quiet | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-------------------------|---------------------|
|  <i>Small Control</i> | <i>Description</i> | <i>Maximum Capacity</i> | <i>Model Number</i> |
| | Single pole, 3-speed 120 V~ 60 Hz | 1.5 A | NTFSQ-XX |
| <ul style="list-style-type: none"> • For use with one ceiling paddle fan. • No derating required. | | | |
|  Fan-Speed Controls: Fully Variable | | | |
|  <i>Small Control</i> | <i>Description</i> | <i>Maximum Capacity</i> | <i>Model Number</i> |
| | Single pole, Adjustable minimum speed 120 V~ 60 Hz | 6 A | NTFS-6E-XX |
|  <i>Large Control</i> | <i>Description</i> | <i>Maximum Capacity</i> | <i>Model Number</i> |
| | Single pole, Adjustable minimum speed 120 V~ 60 Hz | 12 A | NTFS-12E-XX |
| <ul style="list-style-type: none"> • For use with one or more ceiling, ventilation, or exhaust fans. Do not mix fan types on same control. | | | |

| | |
|--------------------------------------------|-----------------------|
| Job Name: Job Number: | Model Numbers: |
|--------------------------------------------|-----------------------|

Accessory Specifications

| Receptacles and Plugs | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|------------------|-----------------|
|  | Description | Maximum Capacity | Model Number |
| | Receptacle | 15 A 125 V~ | NTR-15-XX |
| | | 20 A 125 V~ | NTR-20-XX |
| | Tamper Resistant Receptacle | 15 A 125 V~ | NTR-15-TR-XX |
| | | 20 A 125 V~ | NTR-20-TR-XX |
| <ul style="list-style-type: none"> No derating required. | | | |
|  | Description | Maximum Capacity | Model Number |
| | Tamper Resistant, Self-Testing GFCI Receptacle | 15 A 125 V~ | NTR-15-GFST-XX |
| | | 20 A 125 V~ | NTR-20-GFST-XX |
| <ul style="list-style-type: none"> Insert is permanently attached to the back cover. No derating required. | | | |
|  | Description | Maximum Capacity | Model Number |
| | Isolated Ground Receptacle | 15 A 125 V~ | NTR-15-IG-OR-XX |
| | | 20 A 125 V~ | NTR-20-IG-OR-XX |
| <ul style="list-style-type: none"> Insert is orange; wallplate is color selected. Receptacles can be special-ordered to match wallplate color; contact Lutron® Customer Service at 888.588.7661 or visit www.lutron.com. No derating required. | | | |
|  | Description | Maximum Capacity | Model Number |
| | Tamper Resistant Duplex for Dimming Use | 15 A 125 V~ | NTR-15-DDTR-XX |
| | | 20 A 125 V~ | NTR-20-DDTR-XX |
| <ul style="list-style-type: none"> Insert is permanently attached to the back cover. No derating required. | | | |
|  | Description | Maximum Capacity | Model Number |
| | Tamper Resistant Half for Dimming Use | 15 A 125 V~ | NTR-15-HDTR-XX |
| | | 20 A 125 V~ | NTR-20-HDTR-XX |
| <ul style="list-style-type: none"> Insert is permanently attached. No derating required. | | | |
|  | Description | Maximum Capacity | Model Number |
| | Replacement Plug for Dimming Use | 10 A 125 V~ | RP-FDU-10-XX |

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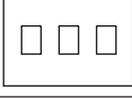
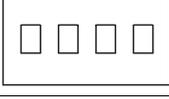
| | |
|-------------|----------------|
| Job Name: | Model Numbers: |
| Job Number: | |

Accessory Specifications (continued)

| Jacks | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-----------------------------------------------------------------------------------------|---------------------|
| | <i>Accessory Type</i> | <i>Description</i> | <i>Model Number</i> |
|  | Single Telephone Jack | 6-conductor RJ11. Also accepts most 4-conductor plugs | NT-PJ-XX |
|  | Cable TV Jack | F-style 75 Ohm coaxial cable | NT-CJ-XX |
| <ul style="list-style-type: none"> • No derating required for any cable jack configurations. • A physical barrier (partition) must exist when ganging with any line-voltage products. | | | |
| Frames | | | |
| | <i>Accessory Type</i> | <i>Description</i> | <i>Model Number</i> |
|  | Field Customizable 6-port frame | Ships with 6 blank ports. Use with connectors shown below. Each connector fills 1 port. | NT-6PF-XX |
| Connectors | | | |
| | <i>Accessory Type</i> | <i>Description</i> | <i>Model Number</i> |
|  | Telephone Jack Connector | 6-conductor RJ11 Category 3 | CON-1P-C3-WH |
| | | 8-conductor RJ45 Category 5e | CON-1P-C5E-WH |
| | | 8-conductor RJ45 Category 6 | CON-1P-C6-WH |
|  | Fiber Jack Connector | MT-RJ feed-through | CON-1F-MTRJ-WH |
|  | Fiber Jack Connector | SC simplex | CON-1F-SC-WH |
|  | Fiber Jack Connector | LC non-flush mount | CON-1F-LC-WH |
|  | Fiber Jack Connector | ST style | CON-1F-ST-WH |
|  | Cable Jack Connector | F-style 75 Ohm coaxial cable | CON-1C-WH |
|  | BNC Jack Connector | BNC connector | CON-1B-WH |

| | |
|--------------------|-----------------------|
| Job Name: | Model Numbers: |
| Job Number: | |

Wallplate Specifications

| Wallplates | | | |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------|----------------------------------------|--------------|
| | Description | Dimensions (w × h) | Model Number |
|  | Single gang: For 1 small control (provided with control) | 2.75 in 4.56 in (70 mm × 116 mm) | VWP-1-XX |
|  | Single gang: For 1 accessory | 2.75 in × 4.56 in (70 mm × 116 mm) | VWP-R-XX |
|  | 2 Gang: For 2 small controls | 4.56 in × 4.56 in (116 mm × 116 mm) | VWP-2-XX |
|  | 2 Gang: For 2 accessories | 4.56 in × 4.56 in (116 mm × 116 mm) | VWP-2R-XX |
|  | 2 Gang: For 1 small control (left) and 1 accessory (right) | 4.56 in × 4.56 in (116 mm × 116 mm) | VWP-2CR-XX |
|  | 2 Gang: For 1 accessory (left) and 1 small control (right) | 4.56 in × 4.56 in (116 mm × 116 mm) | VWP-2RC-XX |
|  | 3 Gang: For 3 small controls | 6.32 in × 4.56 in (161 mm × 116 mm) | VWP-3-XX |
|  | 4 Gang: For 4 small controls | 8.45 in × 4.56 in (215 mm × 116 mm) | VWP-4-XX |

For other configurations, including small controls, large controls, and accessories, refer to the “Specification Guide” on the **Dimmers and Switches** product page at www.lutron.com, or call Lutron® Customer Service at 888.588.7661 for assistance.

For other faceplates, see the Lutron® Custom Architectural Multi-gang tool at: www.lutron.com/en-US/service-support/Pages/technical/design-selectiontools/multigang.aspx

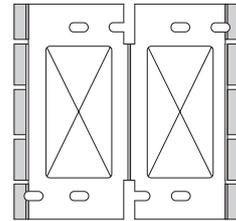
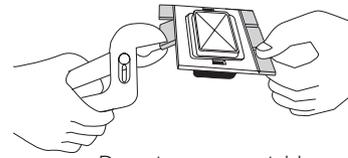
| | |
|-------------|----------------|
| Job Name: | Model Numbers: |
| Job Number: | |

Derating: Maximum Capacities in Multigang Installations*

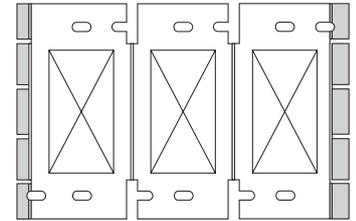
When installing more than one dimmer in the same wallbox, it may be necessary to remove some side sections prior to wiring (see diagram below). Removal of side sections may reduce maximum wattage, as shown in the charts below.

Mixing bulb types (using a combination of CFL/LED and incandescent/halogen bulbs) will also affect the maximum ratings, as shown in the chart below.

Example: If one set of side sections is removed and you have eight 9 W LED bulbs installed (Total LED Wattage = 72 W), you may add up to 500 W of incandescent or halogen lighting.



Each control has inside sections removed



Middle control has two side sections removed

| Single Units | End Units | Middle Units |
|----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|---------------------------|
| Full capacity. No side sections removed | One side section removed | Two side sections removed |
| Incandescent Controls | | |
| 600 W | 500 W | 300 W |
| 1000 W | 900 W | 700 W |
| 1500 W | 1250 W | 1000 W |
| 1950 W | — | — |
| <ul style="list-style-type: none"> • NT-2000-XX controls (for 1950 W capacity) must be ganged without removing side sections. | | |

| C•L® Controls | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|----------------------------------------------------------------------|
| Maximum Allowable Incandescent/Halogen Wattage | | + | Total CFL/LED Wattage Installed (Wattage per bulb × number of bulbs) |
| 1000 W | 800 W | 600 W | + 0 W |
| 800 W | 600 W | 500 W | + 1 W – 40 W |
| 600 W | 500 W | 400 W | + 41 W – 80 W |
| 500 W | 400 W | 300 W | + 81 W – 120 W |
| 400 W | 300 W | 200 W | + 121 W – 160 W |
| 300 W | 200 W | 100 W | + 161 W – 200 W |
| 0 W | 0 W | 0 W | + 201 W – 250 W |
| <ul style="list-style-type: none"> • No derating is required for multigang installations if only LED bulbs are used or if no fins are broken. | | | |

* For more information on multigang installations, visit www.lutron.com/en-US/Service-Support/Pages/Technical/InstallationInstructions/Ganging-Derating/GangingDerating.aspx

(continued on next page...)

| | |
|-------------|----------------|
| Job Name: | Model Numbers: |
| Job Number: | |

Derating: Maximum Capacities in Multigang Installations* (continued)

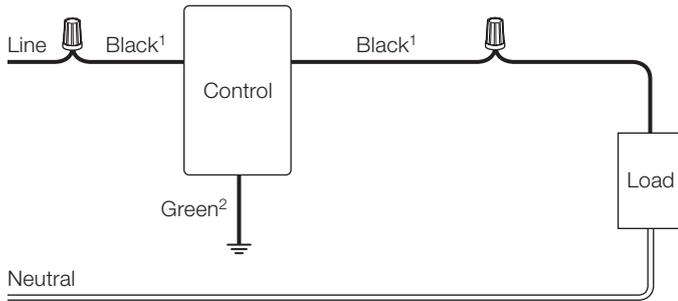
| <i>Single Units</i> Full capacity. No side sections removed | | <i>End Units</i> One side section removed | | <i>Middle Units</i> Two side sections removed | |
|----------------------------------------------------------------------|---------------------------------|----------------------------------------------|--|--------------------------------------------------|--|
| Electronic Low-Voltage (ELV) Controls | | | | | |
| 300 W | | 300 W | | 250 W | |
| 600 W | | 500 W | | 400 W | |
| • Permitted lamp wattage for ELV controls. | | | | | |
| Magnetic Low-Voltage (MLV) Controls | | | | | |
| 600 VA/450 W | | 500 VA/400 W | | 300 VA / 250 W | |
| 1000 VA/800 W | | 900 VA/750 W | | 700 VA / 500 W | |
| 1500 VA/1200 W | | 1250 VA/1000 W | | 1000 VA / 800 W | |
| • Permitted lamp wattage for MLV controls. | | | | | |
| Fluorescent 3-Wire Ballast or LED Driver Controls | | | | | |
| 6 A | | No derating required | | | |
| 8 A | | No derating required | | | |
| 16 A | | No derating required | | | |
| Fluorescent Tu-Wire® Controls | | | | | |
| 3 A | | No derating required | | | |
| 5 A | | 4 A | | 3.3 A | |
| 0–10 V⁼⁼ Electronic Ballast or LED Driver Controls | | | | | |
| <i>Load</i> | <i>0–10 V⁼⁼ Sink</i> | No derating required | | | |
| 8 A | 30 mA | | | | |
| Quiet Fan-Speed Controls | | | | | |
| 1.5 A | | No derating required | | | |
| Fully Variable Fan-Speed Controls | | | | | |
| 6 A | | 4.2 A | | 2.5 A | |
| 12 A | | 10 A | | 8.3 A | |

* For more information on multigang installations, visit www.lutron.com/en-US/Service-Support/Pages/Technical/InstallationInstructions/Ganging-Derating/GangingDerating.aspx

| | |
|--------------------|-----------------------|
| Job Name: | Model Numbers: |
| Job Number: | |

Wiring Diagrams: Single Location

Single-Pole Control



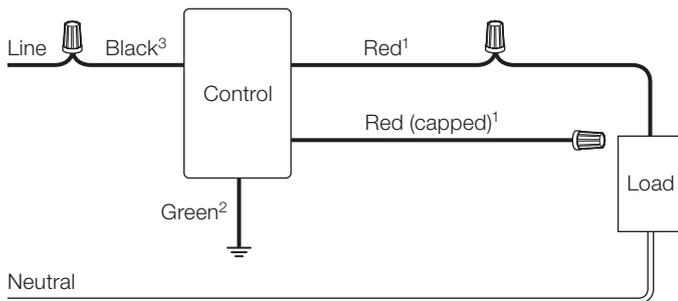
Models:

- NT-600-XX
- NT-1000-XX
- NT-1500-XX
- NT-2000-XX
- NTCL-250-XX
- NTLV-600-XX
- NTLV-1000-XX
- NTLV-1500-XX
- NT-1PS-XX
- NTFSQ-XX

Key

- Ground
- Wire connector
- ¹ Wire or brass/gold screw terminal*
- ² Wire or green screw terminal*
- ³ Wire or copper/black screw terminal*
- * Dimmers have wires; switches have screw terminals

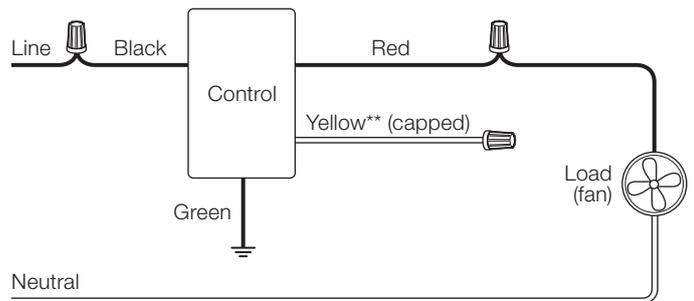
3-Way Control



Models:

- NT-603P-XX
- NT-1003P-XX
- NT-1503P-XX
- NTLV-603P-XX
- NTLV-1003P-XX
- NTLV-1503P-XX
- NT-3PS-XX

Fan Control

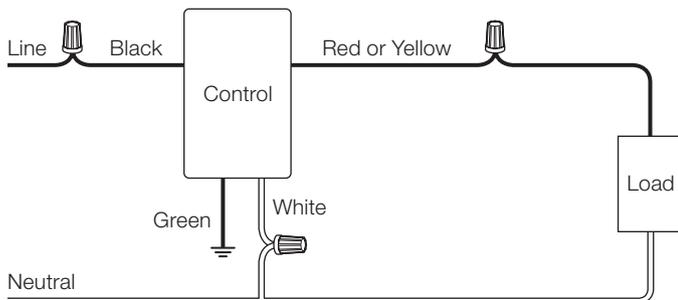


Models:

- NTFS-6E-XX
- NTFS-12E-XX

** Switched full-voltage only

Single-Pole Control with Neutral

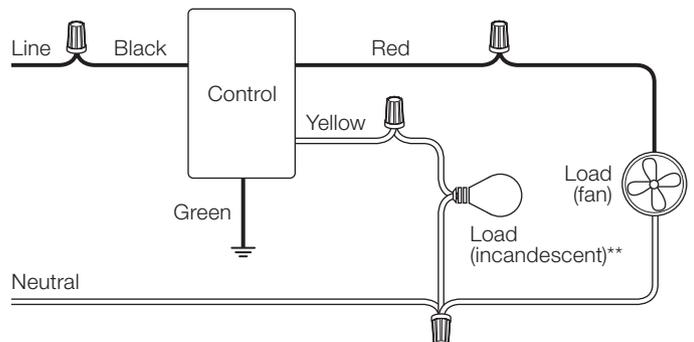


Models:

- NTELV-300-XX**
- NTELV-600-XX**
- NTLV-600-277-XX
- NTLV-1000-277-XX

** Use NTELV- models with 120 V~ only

Fan/Light Control



Models:

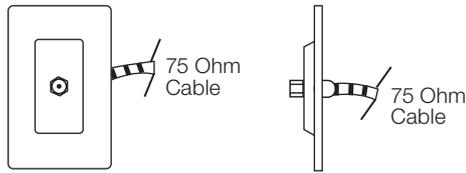
- NTFS-6E-XX
- NTFS-12E-XX

** Switched full-voltage only

| | |
|-------------|----------------|
| Job Name: | Model Numbers: |
| Job Number: | |

Wiring Diagrams: Accessories

Cable TV Jack



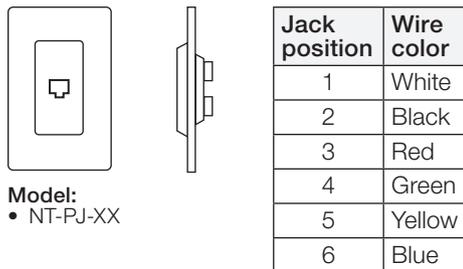
Model:
• NT-CJ-XX

Key

- Ground or isolated ground
- Wire connector
- Screw terminal
- P** Protected
- NP** Not protected

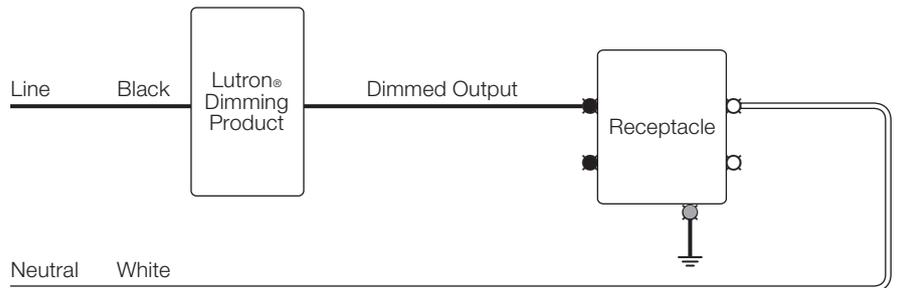
6-Conductor Telephone Jack

(accepts most 4-conductor jacks)



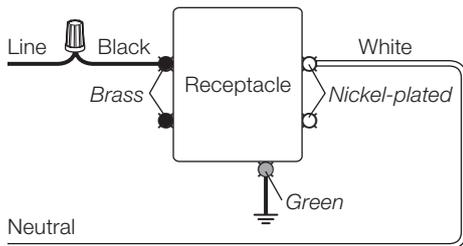
Model:
• NT-PJ-XX

Tamper-Resistant Dimmable Receptacle (Dual)



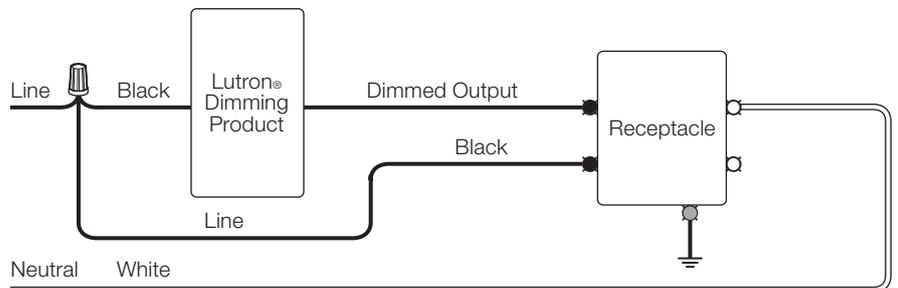
Models:
• NTR-15-DDTR-XX
• NTR-20-DDTR-XX

Receptacle



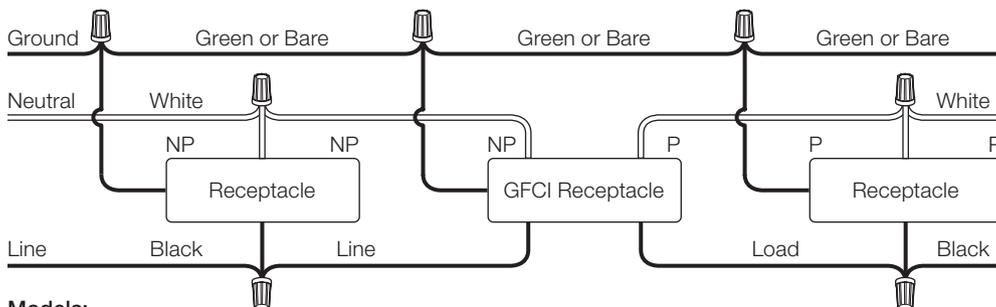
Models:
• NTR-15-XX
• NTR-20-XX
• NTR-15-IG-OR-XX
• NTR-20-IG-OR-XX
• NTR-15-TR-XX
• NTR-20-TR-XX

Tamper-Resistant Dimmable Receptacle (Half)



Models:
• NTR-15-HDTR-XX
• NTR-20-HDTR-XX

Tamper Resistant, Self-Testing GFCI Receptacle

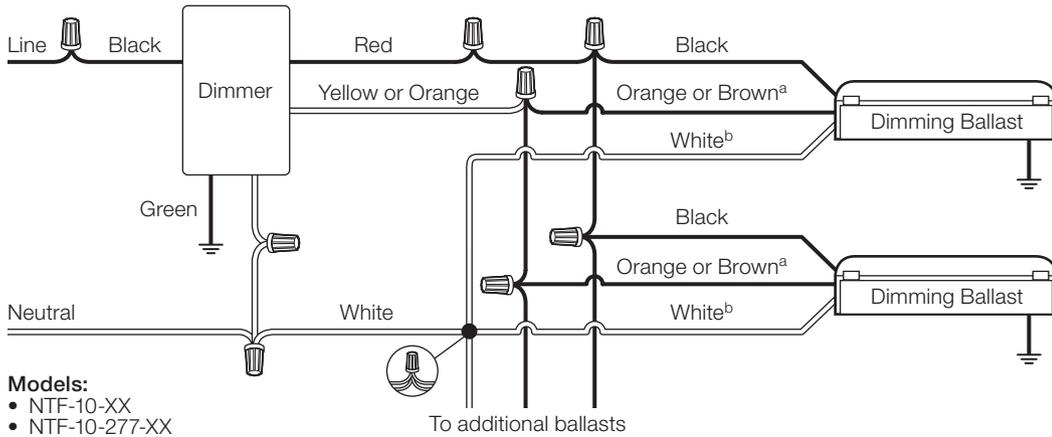


Models:
• NTR-15-GFST-XX
• NTR-20-GFST-XX

| | |
|--------------------|-----------------------|
| Job Name: | Model Numbers: |
| Job Number: | |

Wiring Diagrams: NTF- Controls

Single-Pole Control



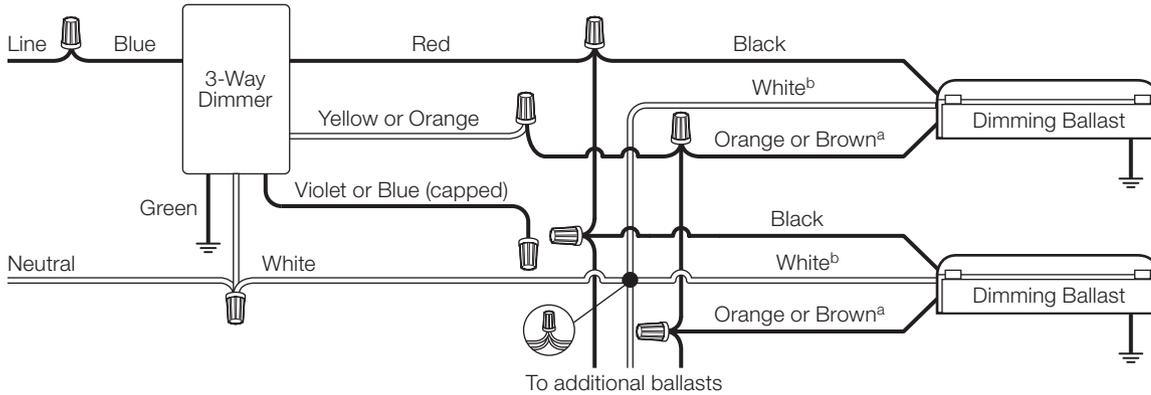
- Models:**
- NTF-10-XX
 - NTF-10-277-XX

Key

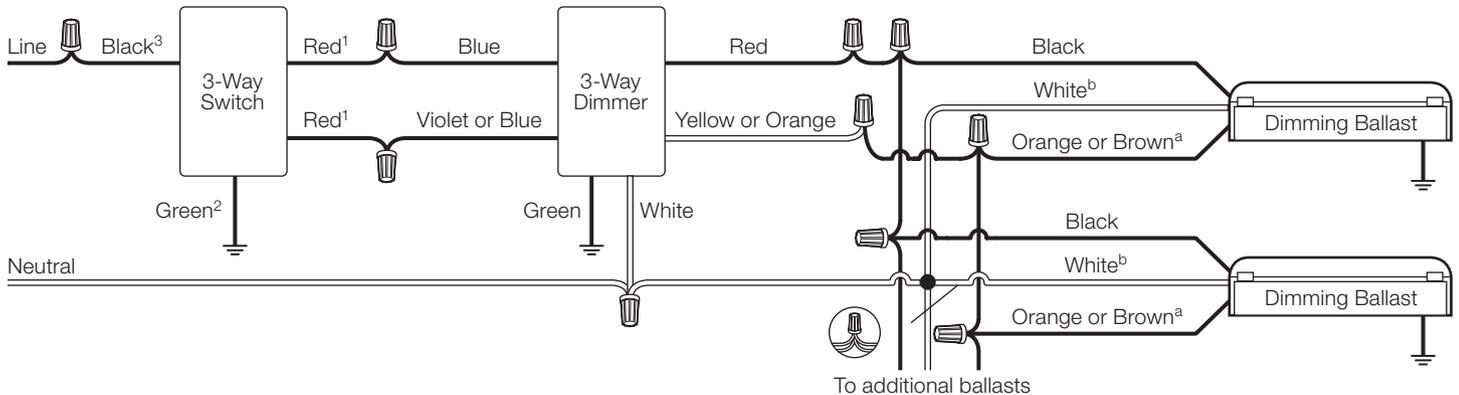
- Ground
- Wire connector
- Typical 4-wire connection
- ^a Yellow/Blue or Yellow/Green wire when used with magnetic dimming ballasts
- ^b Must use lamp disconnect sockets with magnetic dimming ballasts
- ¹ Wire or brass/gold screw terminal*
- ² Wire or green screw terminal*
- ³ Wire or copper/black screw terminal*
- * Dimmers have wires; switches have screw terminals

3-Way Control

Single-Pole



Load Side

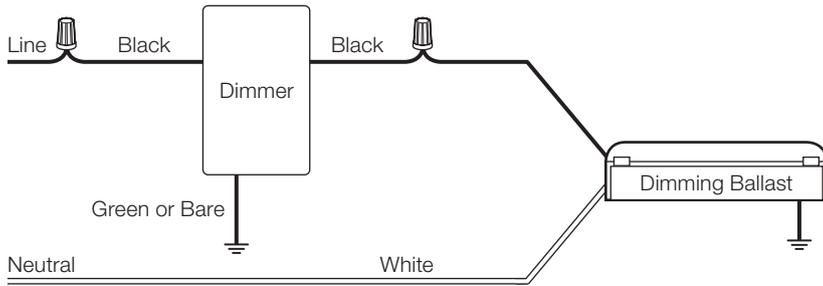


- Models:**
- NTF-103P-XX
 - NTF-103P-277-XX

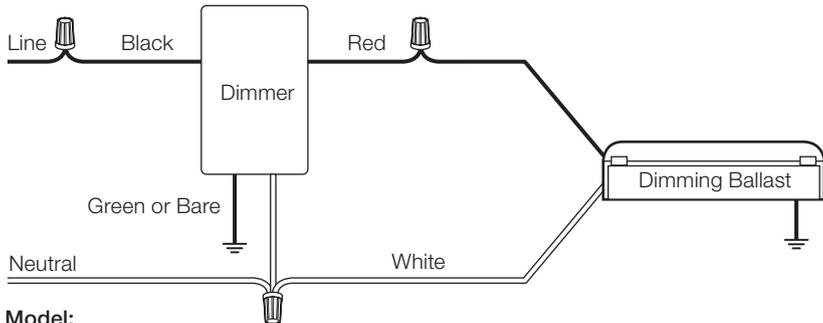
| | |
|-------------|----------------|
| Job Name: | Model Numbers: |
| Job Number: | |

Wiring Diagrams: NTFTU- Controls

Single-Pole Control



Model:
• NTFTU-5A-XX



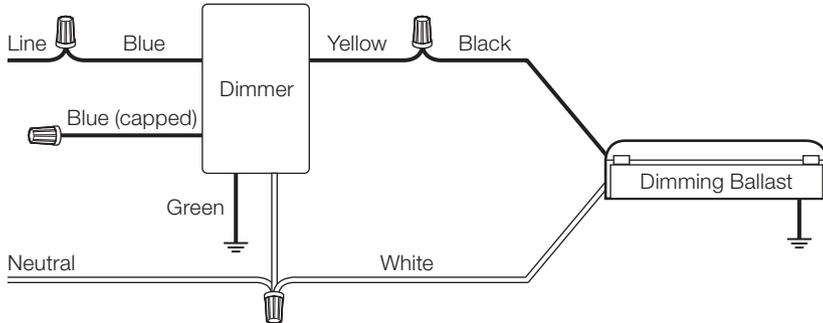
Model:
• NTFTU-5A-277-XX

Key

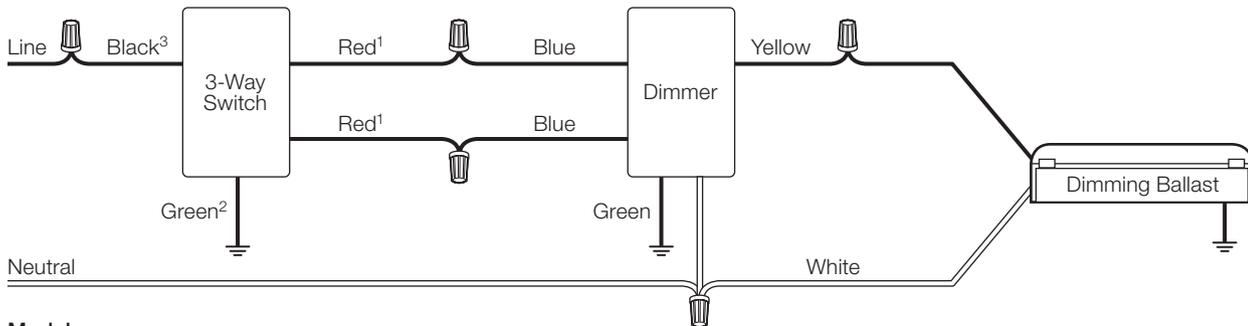
- Ground
- Wire connector
- ¹ Wire or brass/gold screw terminal*
- ² Wire or green screw terminal*
- ³ Wire or copper/black screw terminal*
- * Dimmers have wires; switches have screw terminals

3-Way Control

Single-Pole



Load Side



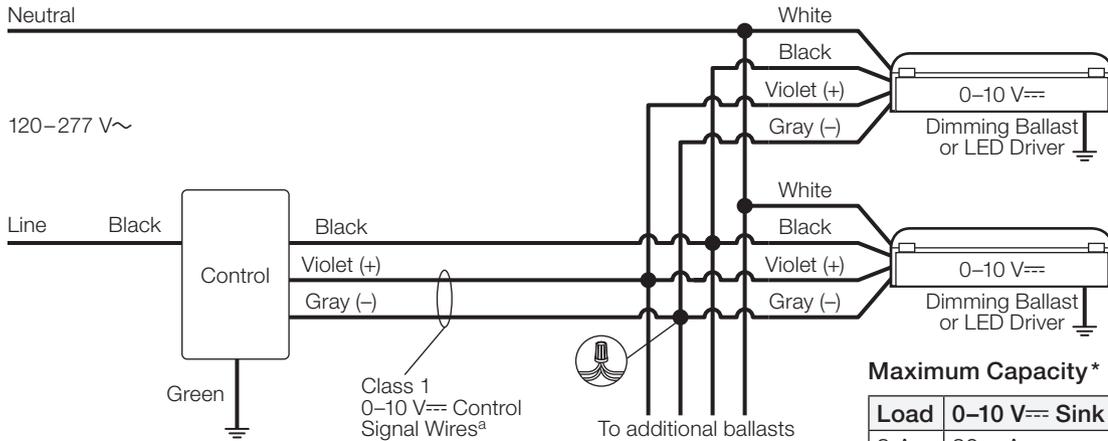
Model:
• NTFTU-103P-277-XX-CPW0196

| | |
|--------------------|-----------------------|
| Job Name: | Model Numbers: |
| Job Number: | |

Wiring Diagrams: NTSTV- Controls

- The total 0–10 V_{DC} control signal wiring for this control should not exceed 500 ft (152.4 m).
- Do not use wire smaller than 20 AWG (0.75 mm²).
- For Class 1 installations, 0–10 V_{DC} wires must be run in conduit or approved cable per NEC® or local jurisdiction.
- For Class 2 installations, conduit is typically not required (local code may apply).
- For application with excessive electrical noise, 0–10 V_{DC} wires should be run in separate conduit from the mains.

Class 1 Installation



Model:
• NTSTV-DV-XX

Maximum Capacity*

| Load | 0–10 V _{DC} Sink |
|------|---------------------------|
| 8 A | 30 mA |

* Whichever comes first.

Key

- Ground
- Wire connector
- Wire connector
- Typical 4-wire connection

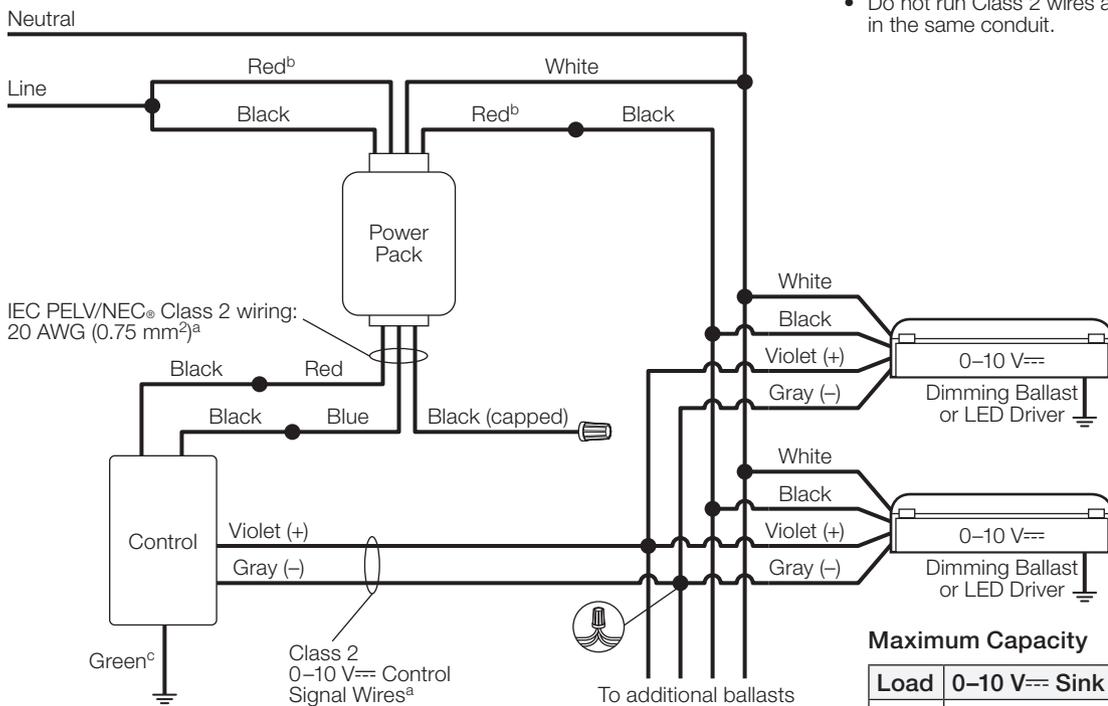
^a Do NOT connect to line voltage

^b 18 AWG (1.0 mm²) red wires are interchangeable. Connect to either line or load side

^c Green wire may be capped for Class 2 installations ONLY

Class 2 Installation

ON/OFF control using Power Pack (PP-DV or PP-347H)



Model:
• NTSTV-DV-XX

Maximum Capacity

| Load | 0–10 V _{DC} Sink |
|------|---------------------------|
| ** | 30 mA |

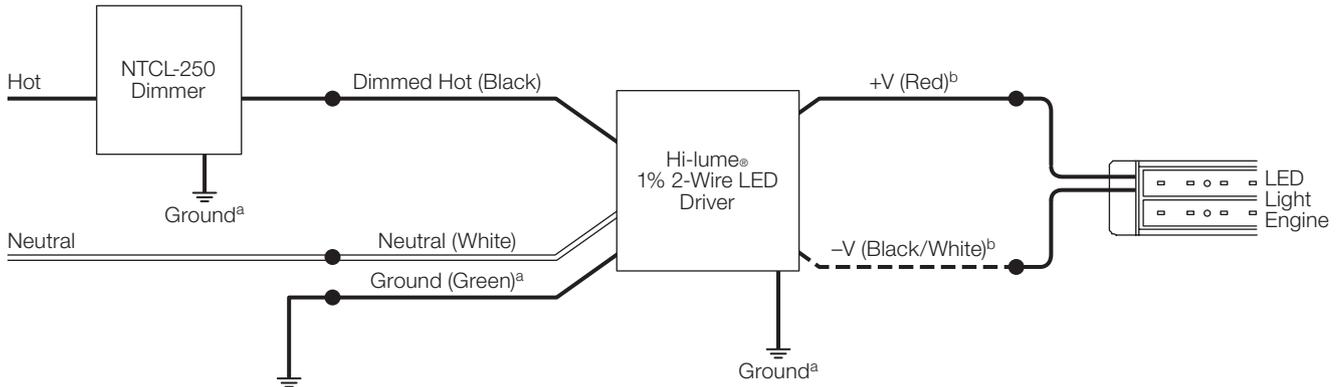
** See PP- and UPP-Series Power Packs spec submittal, Lutron® P/N 369544

LUTRON® SPECIFICATION SUBMITTAL

| | |
|--------------------|-----------------------|
| Job Name: | Model Numbers: |
| Job Number: | |

Wiring Diagrams: NTCL- Controls

Hi-lume® 1% 2-Wire LTE LED Driver Installation



Model:
• NTCL-250-XX

Key

-  Ground
-  Wire connector

^a Enclosure and junction box must be grounded in accordance with local and national electrical codes. Ground provided by grounding of junction box or by using the green ground wire connection

^b For maximum driver-to-LED light engine wire length, see **Hi-lume® 1% 2-Wire LED Driver (P/N 369543)**

| | |
|-------------|----------------|
| Job Name: | Model Numbers: |
| Job Number: | |