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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 (sinkonly control) 0-10 V== 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 Assistance at 1.844.LUTRON1 (588.7661) for availability.

Regulatory Approvals

- **UL**® Listed
- 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

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

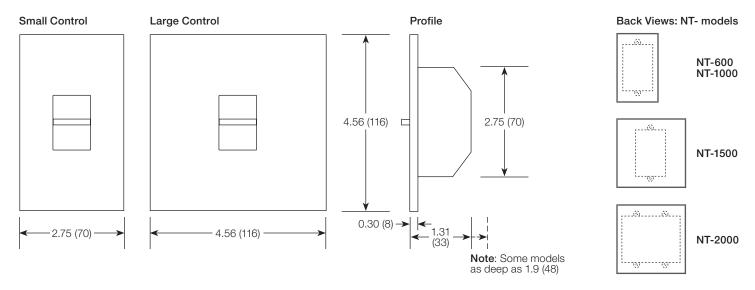
LUTRON SPECIFICATION SUBMITTAL

Page Job Name: Model Numbers: Job Number:

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Dimensions

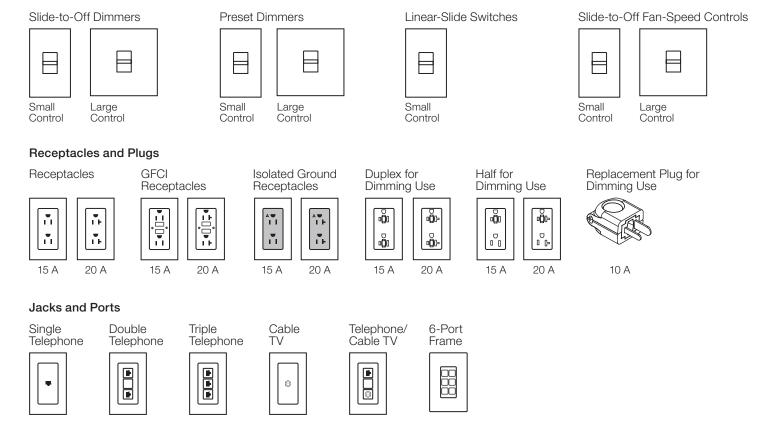
Measurements shown as: in (mm)

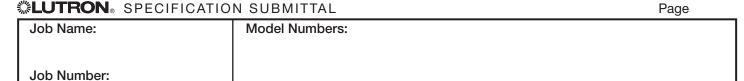


Available Controls and Accessories (Summary)

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

Controls





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Control Specifications

☐ Incandescent Dimmers: Slide-to-Off							
		Description	Maximum Capacity	Model Number			
Small Control		Single-pole 120 V∼ 60 Hz	600 W	NT-600-XX			
		Single-pole 120 V∼ 60 Hz	1000 W	NT-1000-XX			
	Large Control	Single-pole 120 V∼ 60 Hz	1500 W	NT-1500-XX			
	Large Control	Single-pole 120 V∼ 60 Hz	1950 W	NT-2000-XX			
The NThe N	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.						
	ndescent Dimn	ners: Preset					
		Description	Maximum Capacity	Model Number			
	mall Control	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			
	Large Control	Single-pole/3-way/4-way 120 V∼ 60 Hz	1500 W	NT-1503P-XX			
• For 3	-way or 4-way s	witching, use NT-3PS-XX (3-way), NT-4PS-X	X (4-way), or other mechanical switc	ches.			
C•L Dir	mmers: Slide-to	o-Off					
		Description	Maximum Capacity	Model Number			
Small Control		Dimmable LED/CFL 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				
WhenFor aSomeFor LIFeatureLow-eHEDT	complete list of a dimmable LEDs ED product sele selend adjustment to the complete selection and the co	or CFLs, only bulbs marked or rated as dim recommended dimmable LEDs and CFLs and CFLs and CFLs and CFLs require a minimum number of buction tool to accommodate a wide range of bulbs. It was a control of the c	lbs for proper operation. For details a	and the bulb list			
₹ Elec	tronic Low-Vol	tage (ELV) Dimmers: Slide-to-Off					
		Description	Maximum Capacity	Model Number			
	mall Control	Single-pole 120 V∼ 60 Hz	300 W	NTELV-300-XX			
		Single-pole 120 V∼ 60 Hz	600 W	NTELV-600-XX			
RequFor la interfa	ires neutral wire rger capacity EL ace.	permitted lamp wattage. connection. ☑ loads (up to 1000 W), use Nova T☆ fluores ncandescent/Halogen or 1 ELV transformer	•	,			

(continued on next page...)

LUTRON SPECIFICATION SUBMITTAL

recommendations.

Job Name:	Model Numbers:	
Job Number:		

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Control Specifications (continued)

☐ Magnetic Low-Voltage (MLV) Dimmers: Slide-to-Off					
- Wagnetto Low Voll	Description	Maximum Capacity	Model Number		
B Small Control	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 277 V 60 Hz	1000 VA / 800 W	NTLV-1000-277-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		
 Maximum capacity is 277 V~ models requ 	s permitted lamp wattage. ire neutral wire connection.		1		
Magnetic Low-Vol	tage (MLV) Dimmers: Preset				
	Description	Maximum Capacity	Model Number		
Small Control	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		
• For 3-way or 4-way s	witching, use NT-3PS-XX (3-way), NT-4PS-X	X (4-way), or other mechanical switch	ches.		
⇒ Fluorescent Dimn	ners for Lutron 3-wire fluorescent ballasts	s or LED drivers: Slide-to-Off			
	Description	Maximum Capacity	Model Number		
	Single-pole 120 V∼ 60 Hz	16 A	NTF-10-XX		
	Single-pole 277 V∼ 60 Hz	8 A	NTF-10-277-XX		
 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 Dimn	ners for Lutron 3-wire fluorescent ballasts	s or LED Drivers: Preset			
	Description	Maximum Capacity	Model Number		
Small Control	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		
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.					

 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.

(continued on next page...)

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Job Name:	Model Numbers:
Job Number:	

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Control Specifications (continued)

Reverse-Phase Electronic Low-Voltage (ELV) Dimmer: Slide-to-Off						
	Description	Maximum Capacity	Model Number			
Small Control	Dimmable LED/CFL; Single-pole 120 V∼ 60 Hz	250 W				
	Incandescent/Halogen Single-pole 120 V∼ 60 Hz	600 W	NTRP-250-XX			
	ELV with Halogen Single-pole 120 V∼ 60 Hz	600 W				

- For the best performance, use a bulb that is on the <u>Lutron LED Report Card Tool</u>
- When dimming LEDs or CFLs, only bulbs marked or rated as DIMMABLE WITH REVERSE-PHASE OR UNIVERSAL DIMMERS may be used.
- For recommended ELV transformers and compatible MR16 LED bulbs, please see Lutron Application Note #559 Always follow the transformer and bulb manufacturer instructions for allowable loading.
- Not compatible with magentic low-voltage (MLV) transformers or magnetic LED transformers/drivers
- Dimmer is not compatible with bulbs rated only for forward-phase type dimmers.
- Minimum Load: 1 compatible CFL / LED bulb or 5 W Incandescent / Halogen or 1 ELV transformer. ELV transformer must be loaded per the manufacturer's recommendation.

0–10 V Dimmers for Electronic Ballasts or LED Drivers: Slide-to-Off						
		Description	Maximum Ca	apacity*	Model Number	
	Single pole 0 10 V— 120 277 Va	Load	0-10 V== Sink	NTSTV-DV-XX		
١L		Single-pole 0−10 V=== 120−277 V~	8 A	30 mA	1N121A-DA-YY	

- 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== sink currents.
- Control has a high and low end trim to adjust the 0-10 V== output for optimal dimming performance.
- * Limited by whichever rating is achieved first.

⇒n Fluorescent Dimmers for Tu-Wire Electronic Ballasts: Slide-to-	=DD	Fluorescent	Dimmers	for Tu	ı-Wire	Electronic	Ballasts:	Slide-to-	O.
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	Description	Maximum Capacity	Model Number
Small Control	Single-pole 120 V∼ 60 Hz	5 A	NTFTU-5A-XX
	Single-pole 277 V∼ 60 Hz	5 A	NTFTU-5A-277-XX

- 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 $_{\odot}$ Mark X $_{\odot}$ VEZ series 277 V \sim Ballasts: Preset

F		Description	Maximum Capacity	Model Number
	╡ │ Small Control	3-way 277 V∼ 60 Hz	3 A	NTFTU-103P-277-XX-CPW0196

- ullet For control of permanently installed Advance $_{ullet}$ Mark X $_{ullet}$ VEZ series 277 V \sim 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

	Description	Maximum Capacity	Model Number	
	Single-pole 120/277 V∼ 60 Hz	20 A	NT-1PS-XX	
	3-way 120/277 V∼ 60 Hz	20 A	NT-3PS-XX	
	4-way 120/277 V∼ 60 Hz	20 A	NT-4PS-XX	
AL LUIS CONTRACTOR OF THE PROPERTY OF THE PROP				

No derating required.

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LUTRON SPECIFICATION SUBMITTAL

Job Name:	Model Numbers:
Job Number:	

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Wallplate Specifications

Wallplates	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
For other faceplates, see the Lutron Custom Architectural Multi-gang tool

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Job Name:	Model Numbers:
Job Number:	

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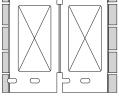
Derating: Maximum Capacities in Multigang Installations*

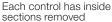
When installing more than one dimmer in the same wallbox, it may be necessary to remove some side sections prior to wiring (see diagram below). Removal of side sections may reduce maximum wattage, as shown in the charts below.

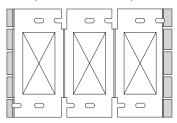
Mixing bulb types (using a combination of LED/CFL and incandescent/halogen bulbs) will also affect the maximum ratings, as shown in the charts below.

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 with the C•L control or 300 W with the Reverse-Phase control.









Middle control has two side sections removed

Single Units Full capacity. No side sections removed	End Units One side section removed	Middle Units 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					

 NT-2000-XX controls (for 1950 W capacity) must be ganged without removing side sections.

C•L Controls				
		+	Total LED/CFL 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
No derating is required for multigang installations if only LED bulbs are used or if no fins are broken.				

Reverse-Phase Electronic Low-Voltage (ELV) Controls				
		+	Total LED/CFL Wattage Installed (Wattage per bulb × number of bulbs)	
600 W	500 W	400 W	+	0 W
500 W	400 W	300 W	+	1 W – 40 W
400 W	300 W	200 W	+	41 W – 80 W
300 W	200 W	100 W	+	81 W – 120 W
200 W	100 W	50 W	+	121 W – 160 W
100 W	50 W	0 W	+	161 W – 200 W
0 W	0 W	0 W	+	201 W – 250 W

• No derating is required for multigang installations if only LED bulbs are used or if no fins are broken.

(continued on next page...)

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ı	Job Name:	Model Numbers:
ı		
ı	Job Number:	

For more information on multigang installations

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Derating: Maximum Capacities in Multigang Installations* (continued)

	Units	End Units	Middle Units		
	Full capacity. No side sections	One side section	Two side sections		
	emoved	removed	removed		
Electr	onic Low-Volta	ge (ELV) Controls			
300 W	1	300 W	250 W		
600 W	/	500 W	400 W		
• Peri	mitted lamp watt	age for ELV controls	S.		
Magn	etic Low-Voltag	e (MLV) Controls			
600 V	A/450 W	500 VA/400 W	300 VA / 250 W		
1000 \	VA/800 W	900 VA/750 W	700 VA / 500 W		
1500 \	/A/1200 W	1250 VA/1000 W	1000 VA / 800 W		
• Peri	Permitted lamp wattage for MLV controls.				
Fluore	escent 3-Wire B	allast or LED Drive	er Controls		
6 A		No derating require	ed		
8 A		No derating required			
16 A		No derating required			
Fluore	escent Tu-Wire	Controls			
3 A		No derating require	ed		
5 A		4 A	3.3 A		
0-10 V Electronic Ballast or LED Driver Controls					
Load	0–10 V== Sink	No derating require	od.		
8 A	30 mA	Two derating require			
Quiet Fan-Speed Controls					
1.5 A	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		

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Job Name:	Model Numbers:	
Job Number:		

^{*} For more information on multigang installations,

Load

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Wiring Diagrams: Single Location

Single-Pole Control Black¹ Black¹ Hot Control

Neutral

- Models: • NT-600-XX
- NT-1000-XX
- NT-1500-XX NT-2000-XX
- NTCL-250-XX

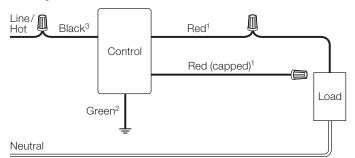
Green²

- NTLV-600-XX
- NTLV-1500-XX
- NTLV-1000-XX
- NT-1PS-XX NTFSQ-XX

Key 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

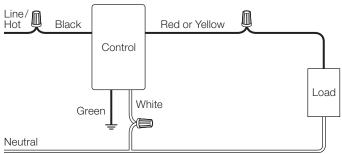
3-Way Control



Models:

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

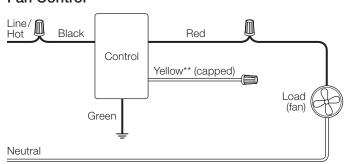
Single-Pole Control with Neutral



Models:

- NTELV-300-XX** • NTRP-250-XX
- NTELV-600-XX**
- NTLV-600-277-XX
- NTLV-1000-277-XX
- ** Use NTELV- models with 120 V \sim only

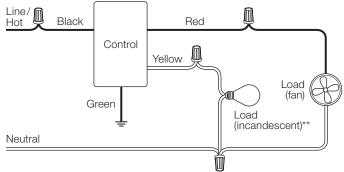
Fan Control



Models:

- NTFS-6E-XX
- NTFS-12E-XX
- ** Switched full-voltage only

Fan/Light Control



Models:

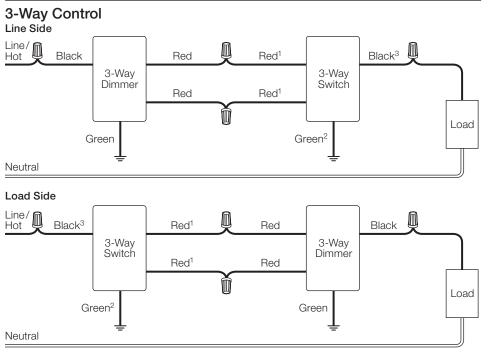
- NTFS-6E-XX
- NTFS-12E-XX
- ** Switched full-voltage only

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Job Name:	Model Numbers:
Job Number:	

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Wiring Diagrams: Multi-Location



Key

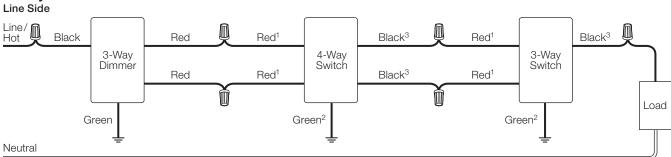


- Wire connector
- ¹ Wire or brass/ gold screw terminal*
- ² Wire or green screw terminal*
- ³ Wire or copper/ black screw terminal*
- * Dimmers have wires; switches have screw terminals

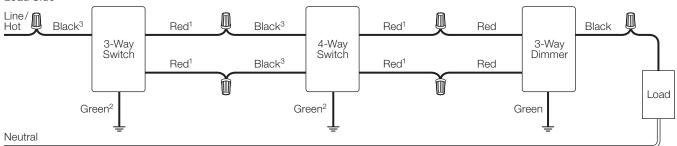
Models:

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

4-Way Control



Load Side



Models:

- NT-3PS-XXNT-4PS-XX • NT-603P-XX • NTLV-603P-XX
- NT-1003P-XX • NTLV-1003P-XX • NTLV-1503P-XX • NT-1503P-XX

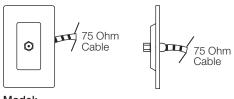
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Job Name:	Model Numbers:	
Job Number:		

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Wiring Diagrams: Accessories

Cable TV Jack

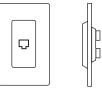


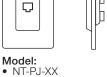
Model: NT-CJ-XX

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

6-Conductor Telephone Jack

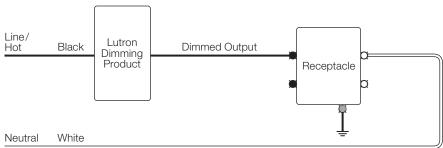
(accepts most 4-conductor jacks)





Jack position	Wire color
1	White
2	Black
3	Red
4	Green
5	Yellow
6	Blue

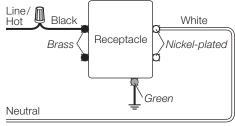
Tamper-Resistant Dimmable Receptacle (Dual)



Models:

- NTR-15-DDTR-XX
- NTR-20-DDTR-XX

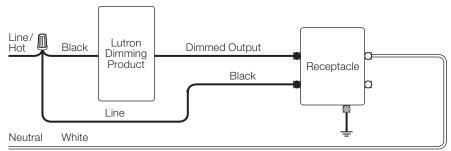
Receptacle



Models:

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

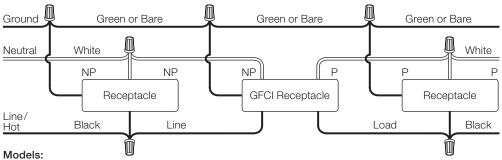
Tamper-Resistant Dimmable Receptacle (Half)



Models:

- NTR-15-HDTR-XX
- NTR-20-HDTR-XX

Tamper Resistant, Self-Testing GFCI Receptacle



- NTR-15-GFST-XX
- NTR-20-GFST-XX

LUTRONSPECIFICATION SUBMITTAL

Job Name:	Model Numbers:	
Job Number:		