# \/AREO

# The Elegant Thin-Profile TapSwitch... Dimmer



# **Product Family Features**

- Sophisticated thin-profile styling featuring a large tapswitch and discrete linear slider
- Elegant appearance and operation
- Enclosed heat sink for an aesthetically pleasing appearance on all sides
- Multigang alignment for quick and easy installation
- Full line of matching devices and accessories
- Simple selection—all dimmers operate as single pole or 3-way

# **Specification Features**

(See Performance Specifications, pg. 190)

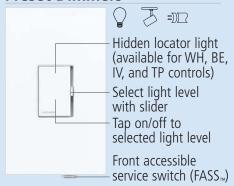
- Voltage compensation
- Surge protection and heavy-duty components for a long product life
- Electrostatic discharge protection
- Captive tapswitch and linear slider
- Square law dimming
- Front Accessible Service Switch (FASS<sub>TM</sub>) to disconnect load power
- Includes radio frequency interference suppression circuitry
- Power-failure memory
- Precise color consistency
- UV stable color

**Color Palette** (For latest color information, visit www.lutron.com)

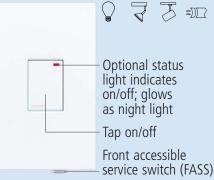


\* To order metal and special metal finishes, see pg.46

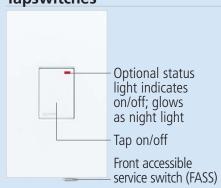
## **Preset Dimmers**



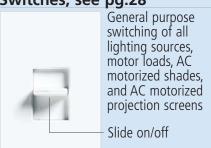
# Electronic Tapswitches



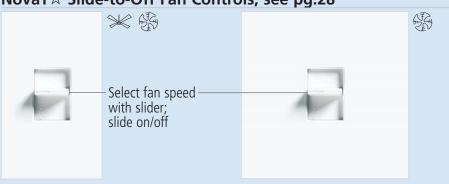
# Auxiliary Electronic Tapswitches



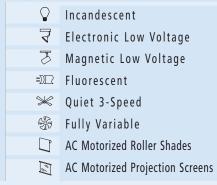
# NovaT☆<sub>®</sub> Linear-Slide Switches, see pg.28



# NovaT☆ Slide-to-Off Fan Controls, see pg.28



# **Key to Models Available**



# Architectural Accessories, pg.34



Receptacles, GFCI Receptacles, Isolated Ground Receptacles, Multi-Port Frames, Telephone and Cable Jacks

# Architectural Wallplates, pg.40



Standard Wallplates for fins broken applications



Custom Wallplates for fins broken and no fins broken applications

# Installation Considerations



2.50" Deep Backbox Recommended (minimum)

Control Depth ≤ 1.71" (44mm)

Description

Maximum Capacity\* Model #

Add color suffix to model #

**GR** Gray

**TP** Taupe

**BR** Brown

**BL** Black

Example: V-600- WH

Ships in 48 hrs. **Color Palette** 

Matte Finish

**WH** White

**BE** Beige

## **Dimmers**



# Incandescent, Magnetic Low Voltage

# **Preset Dimmers**

Single-Pole Dimming/

600W/VA V-600-

Multi-Location Switching

1000W/VA

V-1000-

**IV** Ivory **AL** Almond <sup>†</sup>

**LA** Light Almond <sup>†</sup> <sup>†</sup> Contact Lutron Customer Service for delivery.

#### Accessories

Coordinating architectural accessories sold separately, pg.34.

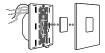
# **Wallplates**

For replacement, metal, and multigang wallplates, pg.40.

#### Customization

For color matching, engraving, and silk screening, pg.47.

#### What's Included



Control, insert, wallplate

#### \*Maximum Capacities

For capacities in multigang installations, see ganging and derating information, pg.51.

## **Single-Gang Wallplate Dimensions**

#### Small Control

2.75" (70mm) W: H: 4.56" (116mm) 0.30" (7.6mm)

Unless noted, controls shown are considered small controls.

Single-Pole Dimming/

Multi-Location Switching

Products Above: Preset dimmers feature hidden locator light in white, beige, ivory, and taupe models only. For multi-location switching use with Vareo auxiliary electronic tapswitches, VETS-R-, pg.27. Not for use with mechanical 3-way or 4-way switches. The suggested maximum lamp load for magnetic low-voltage dimming is 450W and 800W, for more information see Dimming Basics, pg.198. Derating required if ganged with fins broken, pg.51.

# **Electronic Low Voltage**

For control of electronic low-voltage loads up to 1000W, use a VF-10- with an ELVI-1000, pg.189. For larger loads, use V-600- with Hi-Power 2·4·6, pg.188.

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## Fluorescent Dimming with Hi-lume® Electronic Ballasts

Maximum capacity is 20 ballasts or 8A, whichever comes first.

#### **Preset Dimmers**

Single-Pole Dimming/ Multi-Location Switching

20 ballasts/8A

Product Above: Use with Lutron Hi-lume line-voltage control electronic dimming ballasts. Please refer to the Lutron Fluorescent Dimming Systems Selection Guide, P/N 366-002, or visit www.lutron.com for more information. Requires neutral wire connection. For multi-location switching use with Vareo auxiliary electronic tapswitches, VETS-R-, pg.27. Not for use with mechanical 3-way or 4-way switches. Does not have hidden locator light. Derating required if ganged with fins broken, pg.51.

# Hi-Power 2·4·6<sub>™</sub> Dimming Modules

To increase load capacity up to 30,000W/VA in most popular sources, use one V-600- and add up to five dimming modules. See pg.188 for information.

Controls are 120V, 60Hz unless noted.





**Global Ordering** 

# For More Information:

www.lutron.com/vareo Fax-on-Demand 1.800.523.9466

VF-10-

# **Tapswitches**



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# Incandescent, Magnetic Low Voltage, Fluorescent Switching with Magnetic Ballasts

## Electronic Tapswitches

Single-Pole/

1000W/VA

VETS-1000-

Multi-Location Switching

Product Above: For multi-location switching, use with Vareo auxiliary electronic tapswitches, VETS-R-, see below. Tapswitches have no hidden locator light. Not for use with shunt powerfactor-corrected magnetic ballasts. Not for use with mechanical 3-way or 4-way switches. Derating required if ganged with fins broken, pa.51.

## Electronic Tapswitches with Status Light

Single-Pole/Multi-Location 1000W/VA

VETS-1000-SL-

Switching with Status Light

Auxiliary Electronic Tapswitch

VETS-A-SL-

VETN-1000-

with Status Light

Products Above: For multi-location switching, use up to four VETS-A-SL- with only one VETS-1000-SL-. Requires neutral wire connection. Not for use with VETS-R-, or mechanical 3-way or 4-way switches. Not for use with shunt power-factor-corrected magnetic ballasts. Derating of electronic tapswitch (VETS-1000-SL-) required if ganged with fins broken, pg.51. No derating of auxiliary tapswitch (VETS-A-SL-) required if ganged.

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# **Electronic Low Voltage, Fluorescent Switching with Electronic Ballasts**

#### Electronic Tapswitches

Single-Pole/

1000W/VA

Multi-Location Switching

*Product Above:* For multi-location switching, use with Vareo electronic tapswitches, VETS-R-, see below. Requires neutral wire connection. Tapswitches have no hidden locator light. Not for use with mechanical 3-way or 4-way switches. Derating required if ganged with fins broken, pg.51.

# **Auxiliary Electronic Tapswitches**

# **Provide Multi-Location Switching from** up to Nine Additional Locations

#### Auxiliary Electronic Tapswitches VETS-R-

For multi-location switching, use up to nine auxiliary electronic tapswitches with only one of the following Vareo dimmers or switches: V-600-, V-1000-, VF-10-, VETS-1000-, VETN-1000-Product Above: Not for use with mechanical 3-way or 4-way switches. Auxiliary electronic tapswitches have no hidden locator light. No derating required if ganged.

Ships in 48 hrs.

## **Color Palette**

Matte Finish

Add color suffix to model # Example: VETS-1000- WH

**WH** White

**GR** Grav

**BE** Beige **IV** Ivory

**TP** Taupe **BR** Brown

**AL** Almond <sup>†</sup>

**BL** Black

**LA** Light Almond <sup>†</sup>

<sup>†</sup> Contact Lutron Customer Service for delivery.

#### Accessories

Coordinating architectural accessories sold separately, pg.34.

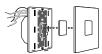
# Wallplates

For replacement, metal, and multigang wallplates, pg.40.

#### Customization

For color matching, engraving, and silk screening, pg.47.

#### What's Included



Control, insert, wallplate

#### \*Maximum Capacities

For capacities in multigang installations, see ganging and derating information, pg.51.

## **Single-Gang Wallplate Dimensions**

#### Small Control

W· 2.75" (70mm) H: 4.56" (116mm) 0.30" (7.6mm)

Unless noted, controls shown are considered small controls.

Controls are 120V, 60Hz unless noted.





**Global Ordering** 

# For More Information:

www.lutron.com/vareo Fax-on-Demand 1-800-523-9466



# ITOVO T☆

# The Classic Thin-Profile Linear-Slide Dimmer



# **Product Family Features**

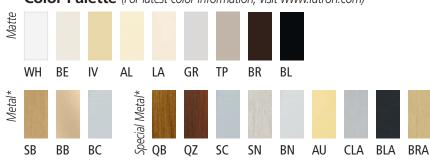
- Classic linear-slide dimmer with thin-profile design
- Intuitive operation—easy to use
- Slide-to-off and preset models available
- Enclosed heat sink for an aesthetically pleasing appearance on all sides
- Multigang alignment for quick and easy installation
- Full family of controls for most lighting sources, plus matching accessories and wallplates

# **Specification Features**

(See Performance Specifications, pg.190)

- Voltage compensation
- Surge protection and heavy-duty components for a long product life
- Electrostatic discharge protection
- Captive linear slider
- Square law dimming
- Mechanical air-gap switch to disconnect load power
- Includes radio frequency interference suppression circuitry
- Power-failure memory
- Precise color consistency
- UV stable color

#### **Color Palette** (For latest color information, visit www.lutron.com)



\* To order metal and special metal finishes, see pg.46

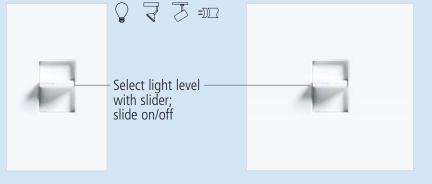
# **Contractor Package (12 units)**



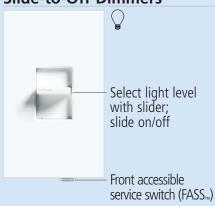
Contact Lutron Customer Service to discuss how contractor packages can save you time and money on your next project.

# NovaT☆。

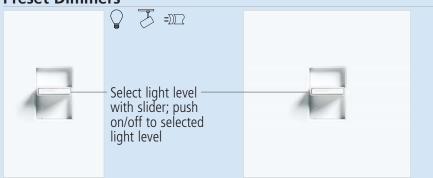
# Slide-to-Off Dimmers



# Omnislide<sub>™</sub> Two-Location **Slide-to-Off Dimmers**



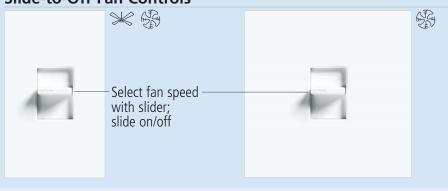
#### **Preset Dimmers**



# **Linear-Slide Switches**



# **Slide-to-Off Fan Controls**



## **Key to Models Available**

$\bigcirc$	Incandescent
₹	Electronic Low Voltage
3	Magnetic Low Voltage
=))[]	Fluorescent
*	Quiet 3-Speed
	Fully Variable
	AC Motorized Roller Shades
	AC Motorized Projection Screens

# **Architectural** Accessories, pg.34



Receptacles, GFCI Receptacles, Isolated Ground Receptacles, Multi-Port Frames, Telephone and Cable Jacks

# Architectural Wallplates, pg.40



Standard Wallplates for fins broken applications



Custom Wallplates for fins broken and no fins broken applications

# Installation **Considerations**



2.50" Deep Backbox Recommended (minimum)



Control Depth ≤ 1.71" (44mm)

Description Maximum Capacity\* Model #

## **Dimmers**



#### **Incandescent**

#### Slide-to-Off Dimmers

Single Pole 600W 1000W

NT-600-

Single Pole

NT-1000-

#### Large Control

Single Pole Single Pole

NT-1500-1500W

1950W NT-2000-

Products Above: For NT-600-, NT-1000-, and NT-1500- derating required if ganged with fins broken, pg.51.

For NT-2000-: All side sections (fins) must remain intact. Requires a two-gang wallbox for single-gang installations see pg.52. For NT-2000 multigang installations, NFB wallplates must be used.

## **Preset Dimmers**

Single Pole/3-Way

600W

NT-603P-

NT-1503P-

Single Pole/3-Way 1000W NT-1003P-

## Large Control

Single Pole/3-Way

1500W

Products Above: For 3-way and 4-way switching, use NT-3PSand NT-4PS- or other mechanical switches. Derating required if ganged with fins broken, pg.51.

#### Omnislide<sub>™</sub> Two-Location Slide-to-Off Dimmers

Base Unit

600W

NTB-600-

Base Unit

1000W

NTB-1000-

Auxiliary Unit (Use with Base Unit)

NTA-2-

*Products Above:* For two-location dimming, use one base unit (NTB-600-, NTB-1000-) with one auxiliary unit (NTA-2-). For two-location control of other load types use NTB-600and NTA-2- with Hi-Power 2·4·6<sub>™</sub>, pg.188. Derating of base unit (NTB-600- and NTB-1000-) required if ganged with fins broken, pg.51. No derating of auxiliary unit (NTA-2-) required if ganged.

Ships in 48 hrs.

## **Color Palette**

#### Matte Finish

Add color suffix to model # Example: NT-600- WH

**WH** White

**GR** Grav

**BE** Beige

**TP** Taupe

**IV** Ivory

**BR** Brown

**AL** Almond <sup>†</sup>

**BL** Black

**LA** Light Almond <sup>†</sup>

<sup>†</sup> Contact Lutron Customer Service for delivery.

#### Accessories

Coordinating architectural accessories sold separately, pg.34.

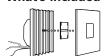
## **Wallplates**

For replacement, metal, and multigang wallplates, pg.40.

#### Customization

For color matching, engraving, and silk screening, pg.47.

#### What's Included



Control, insert, wallplate

#### \*Maximum Capacities

For capacities in multigang installations, see ganging and derating information, pg.51.

# **Single-Gang Wallplate Dimensions**

#### Small Control

2.75" (70mm) W:

4.56" (116mm) 0.30" (7.6mm) H:

Unless noted, controls shown are considered small controls.

#### Large Control

4.56" (116mm)

4.56" (116mm) H:

0.30" (7.6mm)

Controls are 120V, 60Hz unless noted.





**Global Ordering** 

# For More Information:

www.lutron.com/novat Fax-on-Demand 1.800.523.9466



Maximum Capacity\* Model #

# **Dimmers**

Description



# **Electronic Low Voltage**

#### Slide-to-Off Dimmers

Single Pole 300W NTELV-300-Single Pole 600W NTELV-600-

Products Above: Requires neutral wire connection. For 120V electronic low-voltage loads up to 1000W, use NovaT☆ fluorescent dimmers (NTF-10- or NTF-103P-), pg.32, with an ELVI-1000 interface, pg.189. For higher than 120V, use one NT-600- or NT-603P- with a Hi-Power  $2\cdot 4\cdot 6_{TM}$ , pg. 188. Derating required if ganged with fins broken, pg.51.

# **Magnetic Low Voltage**

#### Slide-to-Off Dimmers

Single Pole NTLV-600-600VA (450W) Single Pole 1000VA (800W) NTLV-1000-



Single Pole 1500VA (1200W) **NTLV-1500-**

Products Above: Wattage indicates maximum lamp load, see Dimming Basics, pg.198. Derating required if ganged with fins broken, pg.51.



#### **Preset Dimmers**

Single Pole/3-Way 600VA (450W) NTLV-603P-Single Pole/3-Way NTLV-1003P-1000VA (800W)

#### Large Control

Single Pole/3-Way 1500VA (1200W) **NTLV-1503P-**

Products Above: For 3-way and 4-way switching use NT-3PSand NT-4PS- or other mechanical switches. Wattage indicates maximum lamp load, see Dimming Basics, pg.198. Derating required if ganged with fins broken, pg.51.

Ships in 48 hrs.

## **Color Palette**

#### Matte Finish

Add color suffix to model # Example: NTELV-300- WH

**WH** White

**GR** Grav

**BE** Beige

**TP** Taupe

**IV** Ivory

**BR** Brown **AL** Almond <sup>†</sup> **BL** Black

**LA** Light Almond <sup>†</sup>

<sup>†</sup> Contact Lutron Customer Service for delivery.

#### Accessories

Coordinating architectural accessories sold separately, pg.34.

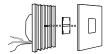
#### **Wallplates**

For replacement, metal, and multigang wallplates, pg.40.

#### Customization

For color matching, engraving, and silk screening, pg.47.

#### What's Included



Control, insert, wallplate

#### \*Maximum Capacities

For capacities in multigang installations, see ganging and derating information, pg.51.

## Single-Gang Wallplate **Dimensions**

#### Small Control

2.75" (70mm) W: 4.56" (116mm) 0.30" (7.6mm) H: D:

Unless noted, controls shown are considered small controls.

#### Large Control

W: 4.56" (116mm) 4.56" (116mm) H: 0.30" (7.6mm)

Controls are 120V, 60Hz unless noted.



For More Information:

www.lutron.com/novat Fax-on-Demand 1.800.523.9466





Description

Maximum Capacity\* Model #

# **Dimmers**



# Fluorescent Dimming with Hi-lume® Electronic Ballasts

#### Slide-to-Off Dimmers

Single Pole

16A

NTF-10-

Products Above: Use with Lutron Hi-lume line-voltage control electronic dimming ballasts. Please refer to the Lutron Fluorescent Dimming Systems Selection Guide, P/N 366-002, or visit www.lutron.com for more information. Requires neutral wire connection. No derating required if ganged.

#### **Preset Dimmers**

Single Pole/3-Way

88

NTF-103P-

*Products Above:* Use with Lutron Hi-lume line-voltage control electronic dimming ballasts. Please refer to the Lutron Fluorescent Dimming Systems Selection Guide, P/N 366-002, or visit www.lutron.com for more information. Requires neutral wire connection. For 3-way and 4-way switching use NT-3PSand NT-4PS- or other mechanical switches. No derating required if ganged.

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## **Fluorescent Dimming with** Tu-Wire Electronic Ballasts

#### Slide-to-Off Dimmers

Single Pole

NTFTU-5A-

**Product Above:** For best performance use with Lutron Tu-Wire line-voltage control electronic dimming ballasts. For other applications please contact the Lutron Technical Support Center. See 2-Wire Dimming Ballasts, pg.183. Derating required if ganged with fins broken, pg.51.

# Hi-Power 2·4·6<sub>™</sub> Dimming Modules

To increase load capacity up to 30,000W/VA in most popular sources, use one NT-600-, NT-603P-, or NTB-600- and add up to five dimming modules. See pg.188 for information.

# **Linear-Slide Switches**

## **General Purpose Switching of All Lighting Sources and Motor Loads**

#### Linear-Slide General Purpose Switches

Single Pole

20A

NT-1PS-

3-Way

20A

NT-3PS-

4-Way

20A

NT-4PS-

Products Above: Use with any 20A load. No derating required if ganged.

Ships in 48 hrs.

## **Color Palette**

Matte Finish

Add color suffix to model # Example: NTF-10- WH

**WH** White

**GR** Grav

**BE** Beige

**TP** Taupe

**IV** Ivory

**BR** Brown

**AL** Almond <sup>†</sup>

**BL** Black

**LA** Light Almond <sup>†</sup>

<sup>†</sup> Contact Lutron Customer Service for delivery.

#### Accessories

Coordinating architectural accessories sold separately, pg.34.

## **Wallplates**

For replacement, metal, and multigang wallplates, pg.40.

#### Customization

For color matching, engraving, and silk screening, pg.47.

#### What's Included



Control, insert, wallplate

#### \*Maximum Capacities

For capacities in multigang installations, see ganging and derating information, pg.51.

# **Single-Gang Wallplate Dimensions**

#### Small Control

2.75" (70mm) W: H:

4.56" (116mm) 0.30" (7.6mm) D:

Unless noted, controls shown are considered small controls.

Controls are 120V, 60Hz unless noted.





**Global Ordering** 

# For More Information:

www.lutron.com/novat Fax-on-Demand 1.800.523.9466



Description Maximum Capacity\* Model # **Projection Screen Controls Switching for AC Motorized Roller Shades** Double-pole, double-throw switches for raise/lower/center-off applications. Linear-Slide General Purpose Switches 1/2 HP@120VAC: **NT-DPDT-CO-MO-**Momentary 2 HP@240VAC 30A Product Above: To control more than one motor, consult Lutron Technical Support. No derating required if ganged. **Switching for AC Motorized Projection Screens** Double-pole, double-throw switches for raise/lower/center-off applications. Linear-Slide General Purpose Switches 1/2 HP@120VAC; **NT-DPDT-CO-MA-**Maintained 2 HP@240VAC 15A Product Above: To control more than one motor, consult Lutron Technical Support. No derating required if ganged. **Fan Controls Ouiet Controls** For use with one ceiling paddle fan. Slide-to-Off Fan Controls Single Pole, 3-Speed 1.5A NTFSQ-**Product Above:** No derating required if ganged. **Fully Variable Controls** Use for one or more ceiling paddle fans or exhaust fans (do not mix fan types on one control). Slide-to-Off Fan Controls Single Pole/Adjustable 6A Minimum Speed NTFS-6E-Large Control Single Pole/Adjustable Minimum Speed 12A NTFS-12E-

Important Information

Ships in 48 hrs.

## **Color Palette**

Matte Finish

Add color suffix to model # Example: **NT-DPDT-CO-MO-WH** 

**WH** White

**GR** Gray

**BE** Beige IV Ivory

**TP** Taupe Brown

**AL** Almond <sup>†</sup>

BL Black

**LA** Light Almond †

<sup>†</sup> Contact Lutron Customer Service for delivery.

#### Accessories

Coordinating architectural accessories sold separately, pg.34.

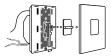
# Wallplates

For replacement, metal, and multigang wallplates, pg.40.

#### Customization

For color matching, engraving, and silk screening, pg.47.

#### What's Included



Control, insert, wallplate

## \*Maximum Capacities

For capacities in multigang installations, see ganging and derating information, pg.51.

# Single-Gang Wallplate Dimensions

#### Small Control

W: 2.75" (70mm) H: 4.56" (116mm)

H: 4.56" (116mm) D: 0.30" (7.6mm)

Unless noted, controls shown are considered small controls.

# Large Control

W: 4.56" (116mm) H: 4.56" (116mm) D: 0.30" (7.6mm)

Controls are 120V, 60Hz unless noted.

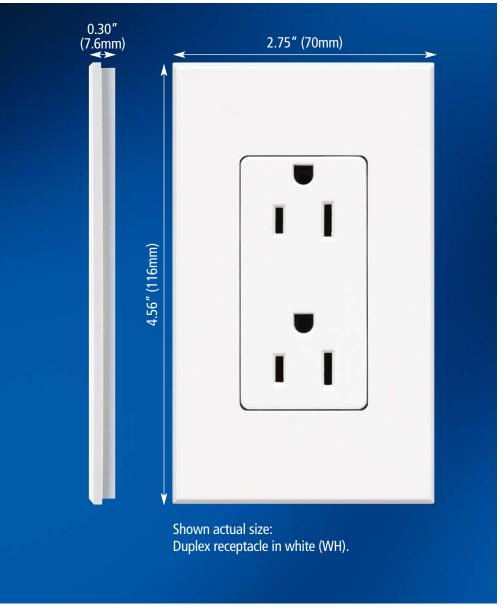


For More Information: www.lutron.com/novat Fax-on-Demand 1.800.523.9466



*Products Above:* To use as a combined fan control/light switch (360W incandescent), see Wiring Diagram #18, pg.211.

Derating required if ganged with fins broken, pg.51.



# **Product Family Features**

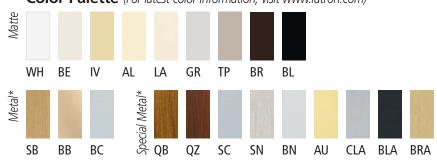
- Full line of wiring devices
- Matte and metal finishes available to coordinate with Lutron architectural-style controls
- Multiple devices can be mounted behind a common faceplate using a standard barrier backbox
- Custom colors available, pg.47
- Engraving available, pg.47
- Use Lutron architectural accessories and wallplates with the following products (can gang under same wallplate):
  - Vareo<sub>®</sub>, pg.24
  - NovaT☆®, pg.28
  - GRAFIK Eye® seeTouch™ and architectural-style wallstations, pgs.116-123

# **Specification Features**

(See Performance Specifications, pg.190)

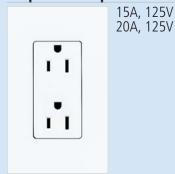
- No visible mounting hardware
- Seamless multigang wallplates with snap-in, auto-alignment adapter plate
- Durable polycarbonate plastic
- Precise color consistency
- UV stable color

**Color Palette** (For latest color information, visit www.lutron.com)

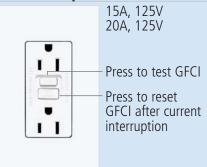


\* To order metal and special metal finishes, see pg.46

## **Duplex Receptacles**



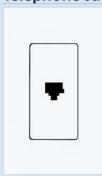
**GFCI** Receptacles



## **Isolated Ground** Receptacles

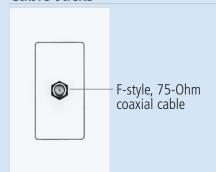


# **Telephone Jacks**

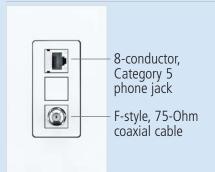


Single, 6-conductor Double, 8-conductor Triple, 8-conductor

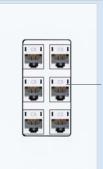
## Cable Jacks



## Phone/Cable Jacks



# **Field Customizable Multi-Port Frame**



Phone, fiber, cable and BNC connectors available

Shown with six RJ45 phone jacks

## **Related Products**



Vareo<sub>®</sub>,

pg.24

pg.28



pg.108

# Standard Wallplates

for fins broken

applications

Architectural

Wallplates, pg.40



Custom Wallplates for fins broken and no fins broken applications

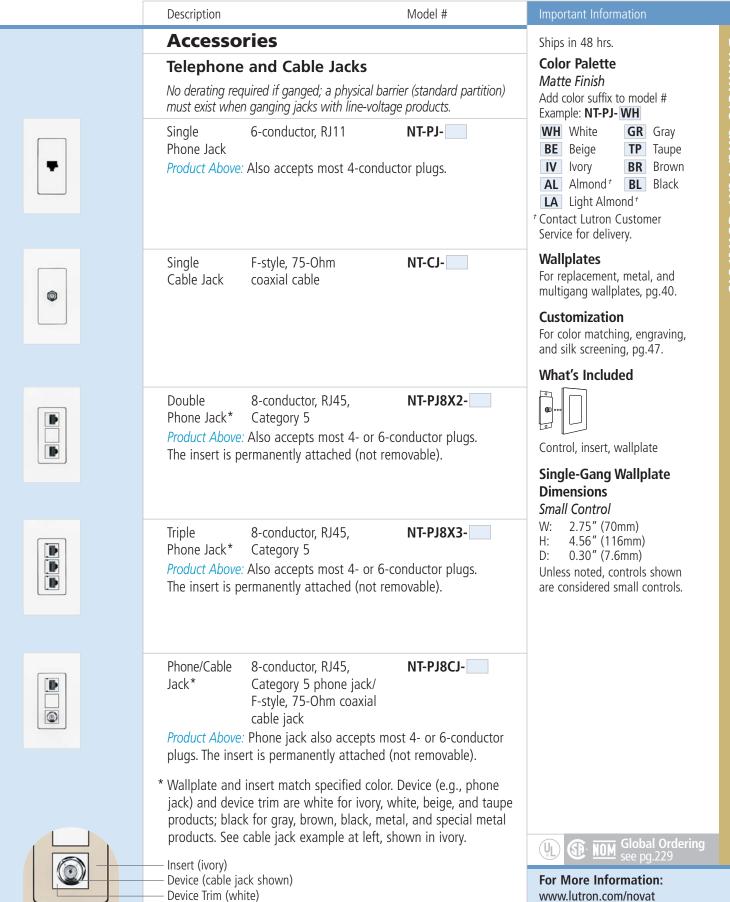
# Installation **Considerations**



2.50" Deep Backbox Recommended (minimum)

Control Depth  $\leq 1.31''$  (33mm)

	Description	Maximum Capacity	Model #	Important Information
	Accessories			Ships in 48 hrs.
	Receptacles			Color Palette
	No derating required if	ganged.		Matte Finish Add color suffix to model #
15A  1	Duplex Receptacle	15A, 125V 20A, 125V	NTR-15- NTR-20-	Example: NTR-15-WH WH White GR Gray BE Beige TP Taupe IV Ivory BR Brown AL Almond BL Black LA Light Almond   ** Contact Lutron Customer Service for delivery.  Wallplates For replacement, metal, and multigang wallplates, pg.40.  Customization For color matching, engraving, and silk screening, pg.47.
15A  20A	GFCI Receptacle  Products Above: Now a permanently attached be custom color match	(not removable). GF0		What's Included  Control, insert, wallplate  Single-Gang Wallplate  Dimensions  Small Control  W: 2.75" (70mm)  H: 4.56" (116mm)  D: 0.30" (7.6mm)  Unless noted, controls shown are considered small controls.
15A	Products Above: Receptordered. Receptacles color; consult Lutron (	20A, 125V tacle is orange; wallp can be special ordere		
20A				For More Information:  www.lutron.com/novat



Fax-on-Demand 1.800.523.9466

Description Model # **Accessories** Ships in 48 hrs. **Color Palette** Field Customizable Multi-port Frame Matte Finish NT-6PF-Shipped with 6-Port Add color suffix to model # Frame 6 blanks Example: NT-6PF-WH *Product Above:* For use with Lutron connectors, pg.39. **WH** White **GR** Gray Also compatible with Hubbell Xcelerator™ and snap-fit **BE** Beige **TP** Taupe connectors. Blanks match the wallplate color. For complete **BR** Brown **IV** Ivory wiring information consult instruction sheet. **AL** Almond <sup>†</sup> **BL** Black **LA** Light Almond <sup>†</sup> <sup>†</sup> Contact Lutron Customer Service for delivery. **Wallplates** For replacement, metal, and multigang wallplates, pg.40. Customization For color matching, engraving, and silk screening, pg.47. What's Included: **6-Port Frame** 6 blanks, frame, wallplate **Single-Gang Wallplate Dimensions** Small Control W: 2.75" (70mm) H: 4.56" (116mm) D: 0.30" (7.6mm) Wallbox size: single gang 3.5" (89mm) deep recommended For More Information: www.lutron.com/novat Fax-on-Demand 1.800.523.9466

# immers and Fan Contro

# Architectural Accessories

	Description		Model #	Important Information	
	Accesso	ories		Ships in 48 hrs.	_
	<b>Connectors</b> For use with 6-port frame (NT-6PF-). Each connector fills one port.			What's Included:	
				Connectors	Diffillers
	Phone Jack	6-conductor, RJ11, Category 3	CON-1P-C3-WH	Jack	rs and
		8-conductor, RJ45, Category 5e	CON-1P-C5E-WH		
		8-conductor, RJ45, Category 6	CON-1P-C6-WH		ran controls
	Fiber Jack	MT-RJ feed- through	CON-1F-MTRJ-WH		
		SC simplex	CON-1F-SC-WH		
		LC non-flush mount	CON-1F-LC-WH		
		ST style	CON-1F-ST-WH		
	Cable Jack	F-style, 75-Ohm coaxial cable	CON-1C-WH		
A.B.	BNC Jack	BNC connector, 50-Ohm	CON-1B-WH		
	Connectors a	ve: Connectors for use with available in white (WH) onle lors or connectors contact	y. For information about		
				(I) (SP) NOM Global Ordering see pg.229	
				For More Information:	



www.lutron.com/novat

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# Architectural Wallplates

For Replacement, Multigang or Metal Wallplates

# **Standard Architectural Wallplates** pg.44

Six Popular 2-, 3- and 4-Gang Wallplates in Nine Matte Colors





# **Fins Broken Wallplates**

- Controls fit into standard size wallboxes with standard-size wallplates
- Dimmers must be derated, pg.51

# Custom Architectural Wallplates pg.46

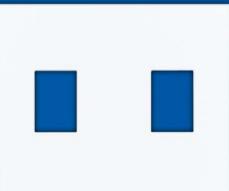
Create a wallplate for any application





#### **Fins Broken Wallplates**

- Controls fit into standard size wallboxes with standard-size wallplates
- Dimmers must be derated, pg.51





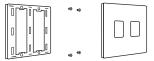
# **No Fins Broken Wallplates**

- Controls require wider-than-standard wallboxes and wallplates
- Dimmers can be used to their full capacity, pg.51

# Use with:

- Vareo<sub>®</sub>
- NovaT☆®
- Architectural Accessories
- GRAFIK Eye<sub>®</sub> seeTouch<sub>™</sub> and architectural style wallstations

## What's Included

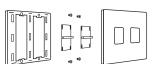


Adapter plate, screws, wallplate (Inserts not included)

# Use with:

- Vareo
- NovaT☆
- Architectural Accessories
- GRAFIK Eye seeTouch and architectural style wallstations

# What's Included



Adapter plate, inserts, wallplate

# immers and Fan Controls

# Architectural Wallplates

Determine which architectural wallplate is right for your application	Standard pg.40  Fins Broken Applications	Custom pg.46  Fins Broken Applications	No Fins Broken Applications
48-hour shipment required?	•		
Need to conserve horizontal wall space?	•	•	
Need to combine Large and Small Controls?		•	•
Need metal wallplates or custom colors?		•	•
Require full rating of dimmers?			•
Need to gang NT-2000-?			•

Lutron's architectural-style controls can be ganged at full dimmer capacity using "No Fins Broken" wallplates. When using "Fins Broken" wallplates, maximum dimmer capacity must be derated. See pg.51 for complete information.

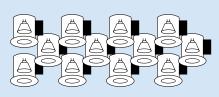
# Multigang Design Example

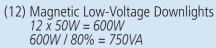
# Multigang Installations for Vareo<sub>®</sub> and NovaT☆<sub>®</sub> Products

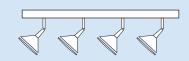
esign Steps	Example
Determine the load on each control Record load type and calculate the load capacity for each dimmer	In one room of a home the general illumination is provided by twelve 50W magnetic low voltage (MLV) down lights. Using the UL efficiency limit of 80%, this is a 750VA load (600W / 80% = 750VA).  The entrance way walls are accented by 300W of electronic low-voltage (ELV) track lighting.  The bar is illuminated by three 75W incandescent down lights.
Position the controls  Determine whether you will use: - Fins Broken (FB) derating required - No Fins Broken (NFB) use controls at full capacity, no derating required  See pg.40	Control of all three zones will be ganged under a common wallplate near the entrance.  To minimize the wallspace, these units will be ganged with fins broken.  The homeowner has selected NovaT☆ slide-to-off dimmers and accessories throughout.
Select the controls  Vareo, pg.24  NovaT☆, pg.28  For fins broken applications, use the derating chart, pg.51  Use Interfaces as required, pg.184	Using the derating chart, pg.51, an NTLV-1000- with 1 fin broken has a 900VA rating (sufficient for the 750VA load).  An NTELV-600- with 2 fins broken has a 400W capacity. (sufficient for the 300W load).  Note that an NTELV-300- can not be used; with 2 fins broken an NTELV-300- derates to 250W (insufficient for the 300W load).  An NT-600- with 1 fin broken has a rating of 500W (sufficient for the 225W load).
Determine the back- box requirements Backbox Configuration, pg.52	All three dimmers are small controls. Using the backbox configuration chart, pg.52, we see that three small controls with fins broken mount in a standard 3-gang backbox.
Select multigang wallplates & accessories Architectural Wallplates, pg.40 Engraving, pg.47	Depending on the homeowner's choice of colors, there are two wallplate options.  For a matte finish, use a standard wallplate, VWP-3-, for three dimmers.  For a metal finish, use the custom wallplate, NT-SSS-FB  The wallplates will be engraved to identify the zones.

Architectural Accessories, pg.34

Architectural receptacles, cable jacks, and phone jacks will also be used.







(4') Electronic Low-Voltage Track, 300W 150W per two linear feet = 300W



(3) 75W Incandescent Downlights  $3 \times 75W = 225W$ 

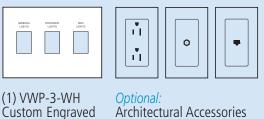
Main Entrance

# NovaT☆ Fins Broken (derating required) 225V Incandescent, 1 fin broken 300W Electronic Low Voltage, 2 fins broken 750VA Magnetic Low Voltage, 1 fin broken

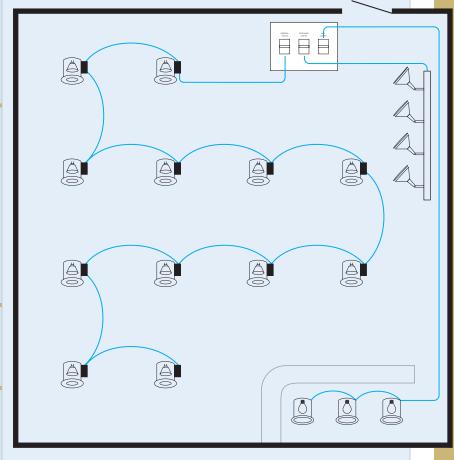


- (1) NTLV-1000-
- (1) NTELV-600-
- (1) NT-600-





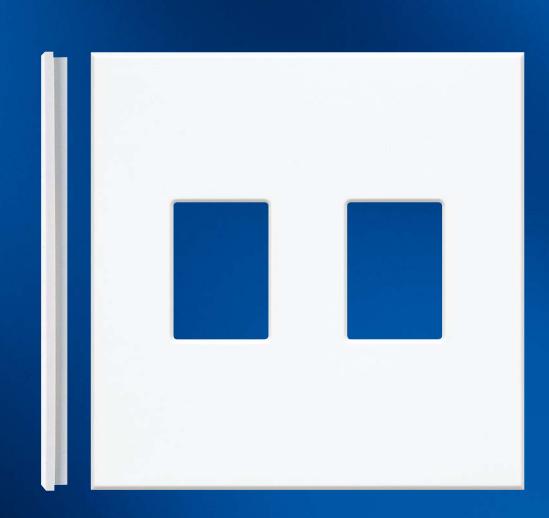
# **Recreation Room Example**



# Standard Architectural Wallplates

Six Popular 2-, 3-, and 4-Gang Wallplates in Nine Matte Colors

For Use with Vareo<sub>®</sub>, NovaT☆<sub>®</sub>, Architectural Accessories, and GRAFIK Eye<sub>®</sub> seeTouch<sub>™</sub> and Architectural Style Wallstations



Shown actual size: Standard architectural 2-gang wallplate in white (WH).

## **Color Palette** (For latest color information, visit www.lutron.com)



# **Specification Features**

(See Performance Specifications, pg.190)

- No visible mounting hardware
- Seamless multigang wallplates with snap-in, auto-alignment adapter plate
- Durable polycarbonate plastic
- Precise color consistency
- UV stable color

# **Dimmers and Fan Controls**

# Standard Architectural Wallplates

# **Fins Broken Wallplates** Controls must be • Controls fit into standard size wallboxes derated in multigang with standard-size wallplates installations • Dimmers must be derated, pg.51 • Backbox configurations Elegant screwless for controls are on pg.52 wallplate Two-part wallplate; the front securely snaps on to adapter plate

, ,		
	Description Maximum Capacity Model #	Important Information
	Standard Architectural Wallplates  Controls must have fins broken in multigang installations.  Derate dimmers as required, pg.51.	Ships in 48 hrs.  Color Palette  Matte Finish  Add color suffix to model #
	2-Gang For two dimmers VWP-2-Wallplate or switches W: 4.56"(116mm); H: 4.56"(116mm); D: 0.30"(7.6mm)	Example: VWP-2-WH WH White GR Gray BE Beige TP Taupe IV Ivory BR Brown AL Almond* BL Black
	2-Gang For two receptacles <b>VWP-2R-</b> Wallplate or jacks W: 4.56"(116mm); H: 4.56"(116mm); D: 0.30"(7.6mm)	**LA Light Almond*  ** Contact Lutron Customer Service for delivery.  **What's Included
	2-Gang For one dimmer or switch <b>VWP-2CR-</b> Wallplate and one receptacle or jack W: 4.56"(116mm); H: 4.56"(116mm); D: 0.30"(7.6mm)	Adapter plate, screws, wallplate
	2-Gang For one receptacle or jack <b>VWP-2RC-</b> Wallplate and one dimmer or switch W: 4.56"(116mm); H: 4.56"(116mm); D: 0.30"(7.6mm)	
	3-Gang For three dimmers VWP-3-Wallplate or switches W: 6.32"(161mm); H: 4.56"(116mm); D: 0.30"(7.6mm)	(In Connormal Global Ordering
	4-Gang For four dimmers VWP-4-Wallplate or switches W: 8.45"(215mm); H: 4.56"(116mm); D: 0.30"(7.6mm)	For More Information:  www.lutron.com/novat

Fax-on-Demand 1.800.523.9466

From Matte to Metal – Wallplates for Any Application

For Use with Vareo<sub>®</sub>, NovaT☆<sub>®</sub>, Architectural Accessories, and GRAFIK Eye® seeTouch™ and Architectural Style Wallstations



Shown actual size: Custom architectural no fins broken wallplate with engraving in bright brass (BB).

#### **Color Palette** (For latest color information, visit www.lutron.com) Matte WH BE IV ΑL LA GR TP BR BL Metal QB QZ SB BB BC SN BN ΑU

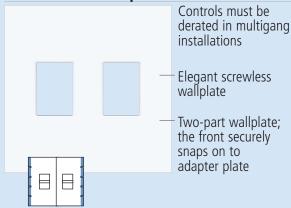
# **Specification Features**

(See Performance Specifications, pg.190)

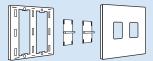
- No visible mounting hardware
- Seamless multigang wallplates with snap-in, auto-alignment adapter plate
- Durable polycarbonate plastic
- Precise color consistency
- UV stable color

46

## **Fins Broken Wallplates**



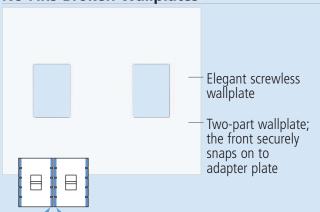
#### What's Included



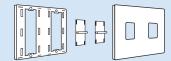
Adapter plate, inserts, wallplate

- Controls fit into standard size wallboxes with standard-size wallplates
- Dimmers must be derated, pg.51
- Backbox configurations for controls are on pg.52

# **No Fins Broken Wallplates**



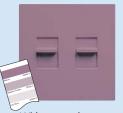
#### What's Included



Adapter plate, inserts, wallplate

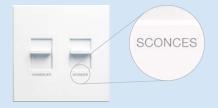
- Controls require wider-than-standard wallboxes and wallplates
- Dimmers can be used to their full capacity, pg.51
- Backbox configurations for controls are on pg.52

# **Color Matching**



With a swatch or sample, Lutron can perfectly color-match your controls to your decor.
Contact Customer Service to get started.

# **Engraving**



Use engraving to make your controls easier to use. Contact Customer Service to get started.

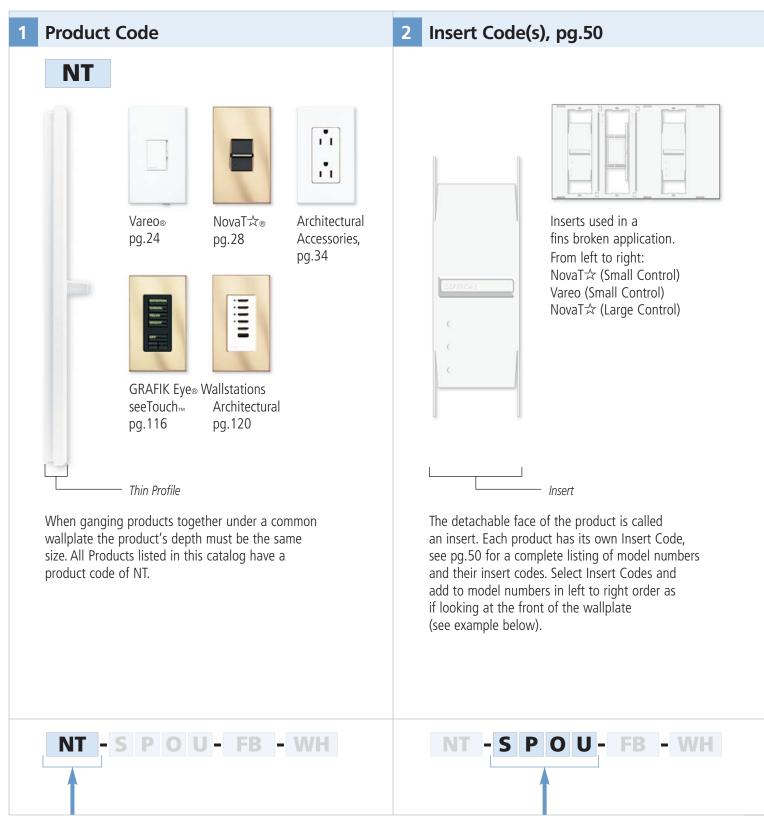
# **Silk Screening**



Add your corporate logo or complement the decor with silk screen images. Contact Customer Service to get started.

# How to Construct a Wallplate Model Number

Use the following steps to order multigang, metal, and replacement wallplates.





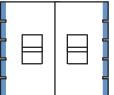




To further customize your wallplate with color matching, engraving, or silk screening, see pg.47.

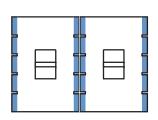
# **3** Ganging Code

# FB





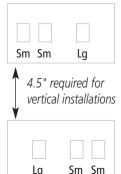
# **NFB**



No Fins Broken

## Mixing Small and Large Controls

**Correct:** Group small and large at either end



**Incorrect:** Do not alternate small and large





Determine whether controls need to use maximum load capacity or can be derated. Derating is the reduction of the maximum capacity (load) a unit can reliably handle when fins/side sections are removed. A scored section along each side of the mounting plate/fin designed to be removed to facilitate ganging. See pg.51 for more information about your specific product's derated capacities. Note: If any controls be ganged under the same wallplate have no fins broken then the ganging code is NFB, everything else is considered FB.

# 4 Color Code

Matte Finish, ships in 3-5 days. \*

**WH** White

**BE** Beige

**IV** Ivory

**AL** Almond †

**LA** Light Almond <sup>†</sup>

**GR** Gray

**TP** Taupe \*\*

**BR** Brown

**BL** Black

Metal Finish, ships in 4-6 wks. †

SB Satin Brass

**BC** Bright Brass

Bright Chrome

Special Metal Finish \*\*

**QB** Antique Brass

**QZ** Antique Bronze

SC Satin Chrome

**SN** Satin Nickel

**BN** Bright Nickel

**AU** Gold-Plated

CLA Clear Anodized Aluminum

**BLA** Black Anodized Aluminum

**BRA** Brass Anodized Aluminum

- \* Most matte wallplates ship in 3-5 days; wider wallplates may require additional time. Consult Lutron Customer Service for pricing and delivery.
- \*\* Not available for GRAFIK Eye® seeTouch™ and architectural style wallstations.
  - <sup>†</sup> Consult Lutron Customer Service for pricing.
- <sup>††</sup> Consult Lutron Customer Service for pricing and delivery.





# **Insert Codes**

Model #	Insert Code	Control Size	Page	Model #	Insert Code	Control Size	Page
<b>Vareo</b> ®				Architectu	ral Accessori	es	
V-600-	0	Small	pg.26	NT-6PF-	<b>R3</b> <sup>1</sup>	Small	pg.38
V-1000-	0	Small	pg.26	NT-CJ-	9	Small	pg.37
VETN-1000-	K	Small	pg.27	NT-PJ-	8	Small	pg.37
VETS-1000-	K	Small	pg.27	NT-PJ8CJ-	TE	Small	pg.37
VETS-1000-SL-	Н	Small	pg.27	NT-PJ8X2-	TC	Small	pg.37
VETS-A-SL-	Н	Small	pg.27	NT-PJ8X3-	TD	Small	pg.37
VETS-R-	K	Small	pg.27	NTR-15-	R	Small	pg.36
VF-10-	0	Small	pg.26	NTR-15-GFCI-	<b>R3</b> <sup>1</sup>	Small	pg.36
				NTR-15-IG-OR	- <b>R</b> <sup>1</sup>	Small	pg.36
NovaT☆®				NTR-20-	4	Small	pg.36
NT-1PS-	S	Small	pg.32	NTR-20-GFCI-	R3 <sup>1</sup>	Small	pg.36
NT-3PS-	S	Small	pg.32	NTR-20-IG-OR	- <b>R</b> <sup>1</sup>	Small	pg.36
NT-4PS-	S	Small	pg.32				
NT-600-	S	Small	pg.30	<b>GRAFIK Ey</b>	e  Wallstatio	ons	
NT-603P-	Р	Small	pg.30	NTGRX-1S-	K	Small	pg.137
NT-1000-	S	Small	pg.30	NTGRX-2B-SL-	T8	Small	pg.122
NT-1003P-	Р	Small	pg.30	NTGRX-4B-	T5	Small	pg.122
NT-1500-	L	Large	pg.30	NTGRX-4M-	T1	Small	pg.123
NT-1503P-	U	Large	pg.30	NTGRX-4S-	Α	Small	pg.122
NT-2000-	TF	Large	pg.30	NTGRX-4S-IR-	Α	Small	pg.123
(NT-2000 must u	ise No Fins Brokei	n wallplates only)		NTGRX-SI4S-IR	k- <b>A</b>	Small	pg.123
NT-DPDT-CO-M	O- <b>S</b>	Small	pg.33	SG-2BI-	R3	Small	pg.118
NT-DPDT-CO-M	A- <b>S</b>	Small	pg.33	SG-4BI-	R3	Small	pg.118
NTA-2-	S	Small	pg.30	SG-4MI-	R3	Small	pg.119
NTB-600-	S	Small	pg.30	SG-4NRLI-	R3	Small	pg.118
NTB-1000-	S	Small	pg.30	SG-4SI-	R3	Small	pg.118
NTELV-300-	S	Small	pg.31	SG-4SIRI-	R3	Small	pg.119
NTELV-600-	S	Small	pg.31				
NTF-10-	S	Small	pg.32	Blank Inse	rts and Yoke	es .	
NTF-103P-	Р	Small	pg.32	For each blank or	dered, order one yo	ke to attach wallplate	e to wallbox.
NTFS-6E-	S	Small	pg.33	Small Blank Ins	sert <b>E</b> *	Small	
NTFS-12E-	L	Large	pg.33	Large Blank Ins	sert <b>G</b> **	Large	
NTFSQ-	S	Small	pg.33		oke <b>NT-YS</b>	3	
NTFTU-5A-	S	Small	pg.32		oke <b>NT-YL</b>		
NTLV-600-	S	Small	pg.31				
NTLV-603P-	Р	Small	pg.31				
NTLV-1000-	S	Small	pg.31				
NTLV-1003P-	Р	Small	pg.31	1 Product insert i	s permanently attach	ed. Order the device	
NTLV-1500-	L	Large	pg.31	in the color des	sired, wallplate will n	ot have an insert to	
NTLV-1503P-	U	Large	pg.31	change the dev	rice color in the field.		

# Ganging and Derating Chart

# Derating Requirements for Architectural-Style Controls

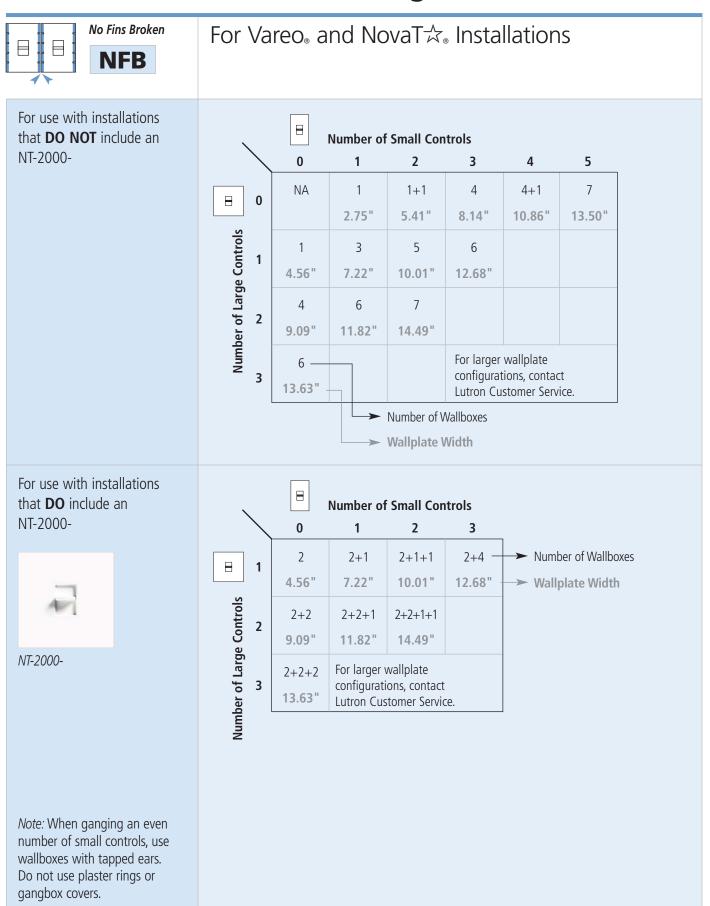
These controls have fins/side sections that **must be removed when ganged with Fins Broken (FB).**Removing this metal reduces the heat the control can dissipate, thus reducing the control wattage capacity (derating).

Vareo¹ and NovaT☆¹	FULL Capacity	DERATED Capacities		
	NO FINS BROKEN	ONE FIN BROKEN	BOTH FINS BROKEN	
Load Type	No fins/side sections removed	One fin/side section removed from each control	Two fins/side sections removed from center control	
Incandescent <sup>2</sup>	600W 1000W 1500W 1950W <sup>5</sup>	500W 900W 1250W ———	300W 700W 1000W	
₹ Electronic Low Voltage	300W 600W	300W 500W	250W 400W	
Magnetic Low Voltage <sup>2</sup>	600VA (450W) 1000VA (800W) 1500VA (1200W)	500VA (400W) 900VA (750W) 1250VA (1000W)	300VA (250W) 700VA (500W) 1000VA (800W)	
Fluorescent  Hi-lume®  Vareo  NovaT☆  Tu-Wire®³  Fan Controls	20 Ballasts/8A 6A 8A 16A 5A	20 Ballasts/6A No Derating Required No Derating Required No Derating Required 4A	20 Ballasts/4.5A No Derating Required No Derating Required No Derating Required 3.3A	
₩ Quiet 3-Speed <sup>4</sup>	1.5A	No Derating Required	No Derating Required	
Fully Variable	6A 12A	4.2A 10A	2.5A 8.3A	
Electronic Tapswitches <sup>6</sup>				
VETS-1000- VETS-1000-SL- VETN-1000-	1000W/VA 1000W/VA 1000W/VA	900W/VA 900W/VA 700W/VA	700W/VA 700W/VA 550W/VA	

- 1 Controls must have side sections removed to gang if using standard wallplates, see pg.44.
- 2 Recommended 40W minimum load.
- **3** Recommended 2 ballasts and 0.25A minimum load.
- **4** For use with only one ceiling paddle fan; prevents fan motor hum.
- **5** For NT-2000- only. Do not break fins/side sections.
- 6 VETS-R- auxiliary electronic tapswitches do not require derating.

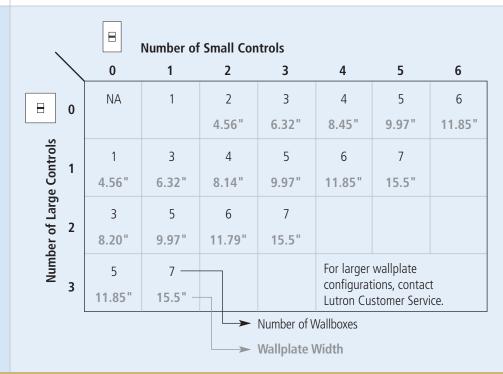


# **Architectural Backbox Configurations**



	Fins Broken
	FB
7	

# For Vareo<sub>®</sub> and NovaT☆<sub>®</sub> Installations



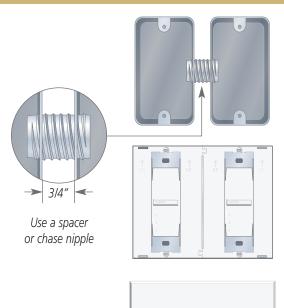
# **Example: Plus Sign (1 + 1) Two Small Controls**

The plus sign (1 + 1) indicates the need for additional wallboxes connected by a chase nipple or spacer with 3/4" separation as shown



See pg.50 for large and small control model numbers





Two single-gang wallboxes connected by a chase nipple with 3/4" separation

Two small controls mounted on a no fins broken adapter plate (provided with wallplate)



No fins broken screwless seamless wallplate NT-SS-NFB-WH