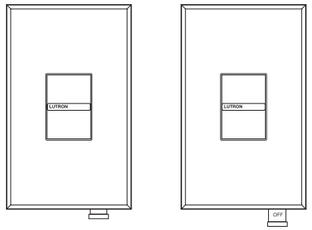
Operation

Move either slider up or down to adjust light level.
System detects movement of either slider and auto-matically transfers command of light level to control being moved. Slide either control all the way down to turn lights off.

For routine lamp replacement, power may be con-ventionally removed from fixtures by pulling down clear Front-Accessible Service Switch (FASS™) "sys-tem off" switch so OFF is visible. *FASS* switch on each control must be in ON (up) position to operate lights. See diagram at right.

Note: For any procedure other than routine lamp replacement, disconnect power at main elec-trical panel.



System ON **System OFF**

***FASS* Switch Location**

Troubleshooting

Symptom	Causes	Solution
No lights at all	Circuit breaker tripped.	Turn breaker on. If it trips, check circuit for shorts.
	FASS switch in OFF position.	Make sure *FASS* switches on both controls are in the ON position (see above).
	Black and orange wires of NTA-2 may be reversed.	Compare wiring to Wiring Diagrams and make corrections.
	Red and blue wires of NTB may be reversed.	Compare wiring to Wiring Diagrams and make corrections.
Lights will not dim	Control is shorted.	Make sure system is not connected to a neutralwire. If it is, replace controls and repeat installation. Make sure that the connected loaddoes not exceed the wattage rating of the control.
Lights dim fromonly one location	Black and red wires of NTB may be reversed.	Compare wiring to Wiring Diagrams and correct wiring.
	Slider jammed duringfaceplate instal-lation.	Remove faceplate. Jiggle slider until it moves freely. Snap faceplate on.
Faceplate is warm	Normal operation.	It is normal for solid-state controls to dissipateabout 2% of the total connected load. Faceplates will normally feel warm. NTA-2 will remain cool.

Technical Assistance

If you need assistance call the toll-free ***Lutron Technical Support Center:***
+1.800.523.9466 in the USA and Canada
From other countries, call: +1.610.282.3800
FAX: +1.610.282.1243

Warranty

Lutron will, at its option, repair or replace any unit that is defective in materials or man-ufacture within one year after purchase. For warranty service, return unit to place of purchase or mail to LUTRON at 7200 Suter Road, Coopersburg, PA 18036-1299, postage prepaid.
This warranty is in lieu of all other warranties, express or implied, and the implied warranty of mer-chantability is limited to one year from purchase. This warranty does not cover the cost of installation, removal, or reinstallation, or damage resulting from misuse, abuse, or damage resulting from improper wiring or installation.
This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow the exclusion or limitation of inciden-tal or consequential damages or limita-tions on how long an implied warranty may last, so the above limitations may not apply to you.
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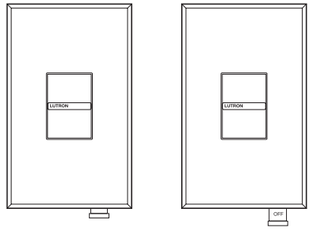
nova T☆ OMNISLIDE™

Installation Instructions
Please Leave for Occupant

Two-location Incandescent Dimming System:

Base Control:	**NTB-600**	**120 V~ 60 Hz**	**600 W**
	NTB-1000	**120 V~ 60 Hz**	**1000 W**
Auxiliary Control:	**NTA-2**	**120 V~ 60 Hz**	**1000 W**



NTB-600 or NTB-1000 **NTA-2**

Description

The Omnislide™ dimming system is designed for two location control of permanently-installed incandescent and tungsten-halogen type lamps, operating at 120 V~ 60 Hz, using one base control and one auxiliary control. The combination of a base control and an auxiliary control allows full-range dimming from either control location.

Important Notes

Please read before installing.

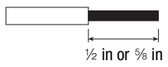
1. **CAUTION:** To avoid overheating and possible damage to other equipment, do not use to control receptacles, fluorescent lighting fixtures, motor-operated appliances, or transformer-supplied appliances.
2. Power must be OFF at the circuit breaker before installing the control. Improper wiring can result in personal injury or damage to the control or to other equipment.
3. Install in accordance with all applicable regulations.
4. Base control may feel warm to the touch during normal operation.
5. Controls are designed to operate in ambient temperatures from 32 °F to 104 °F (0 °C to 40 °C). Allow a minimum of 4 ½ in (114 mm) of free space above and below the control for proper heat dissipation.
6. Multiphase applications: Use a separate neutral for each phase containing a control circuit. For more information, call the Lutron Hotline for Application Note 17, "Common Neutral Interaction."
7. Do not attempt to use with 3-way or 4-way switches or with more than one base control or auxiliary control.
8. Wire connectors provided are suitable for copper wire only. Use to join one 10, 12, 16 or 18 AWG (4, 2.5, 1.0 or 0.75 mm²) wire with one or two 12 or 14 AWG (2.5 or 1.5 mm²) wires.
9. Clean dimmers and faceplates with a soft damp cloth only. Do not use any chemical cleaners.

Installation

If more than one control is to be installed in the same wallbox, review Multigang Installation section before beginning.

1. Turn power OFF at fusebox or circuit breaker.

   WARNING: Wiring with power on may result in personal injury. Damage to this product caused by wiring with power on voids warranty.
2. Remove faceplate and adapter plate from control to prevent damage and to access mounting holes. Pull from top of faceplate to remove. Unscrew adapter plate. Set aside.
3. Unscrew both 3-way switches you are replacing from the wall, but do not disconnect wires from either switch. Identify "common" ter-minal of each switch and label attached wires in wall with COMMON stickers provided. Common terminals are identified in one of the following ways:
   a. COMMON or COM may be written on back or side of switch near common terminal.
   b. Common terminal may have different color screw terminal than other two switch terminals--usually brass. It will not be green, which designates the ground terminal.
4. Prepare wires. Trim or strip all wires to the proper length:
   - ½ in (13 mm) for 10, 12, and 14 AWG (4, 2.5 and 1.5 mm²) wire
   - ⅝ in (16 mm) for 16 and 18 AWG (1.0 and 0.75 mm²) wire



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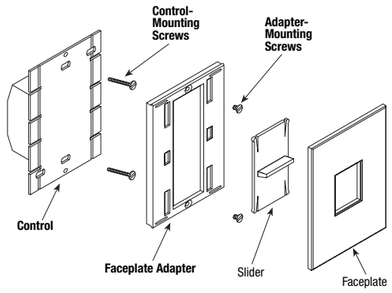
Coopersburg, PA 18036-1299 U.S.A.
P/N 030-1555 Rev. A 03/2011

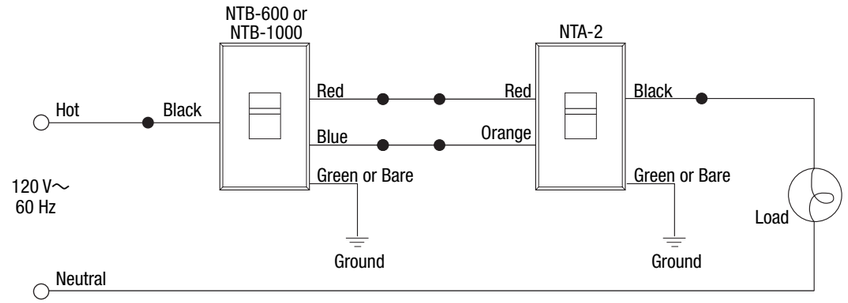
5. **Note:** NTB controls can be wired on either the line (hot) side or the load side of the circuit (see Wiring Diagrams below).
   - Remove wires from both 3-way switches.
   - Connect black wire from control to wire labeled COMMON in each switchbox.
   - Connect red wire of base control to red wire of auxiliary control (usually the same color wire in each wallbox).
   - Connect blue wire of base control to orange wire of auxiliary control (usually the same color wire in each wallbox).
   - Connect green or bare copper ground wire in wallbox to green or bare ground wire on each control.
6. Push wires into switchbox. Be careful not to pinch wires.
7. Mount control to switchbox using screws provided (see Mounting Diagram at right). Controls must be mounted vertically. Screw on adapter plate. Insert slider. Snap on faceplate.
8. Turn power ON. Make sure both "*FASS™*" switches are in on (up) position. (See the Operation section.)
9. Move either slider all the way up. Lights should come on. If not, red wires of base and auxiliary controls are probably not wired correctly. Turn power off and correct wiring. If system still does not operate properly, refer to the Troubleshooting section.



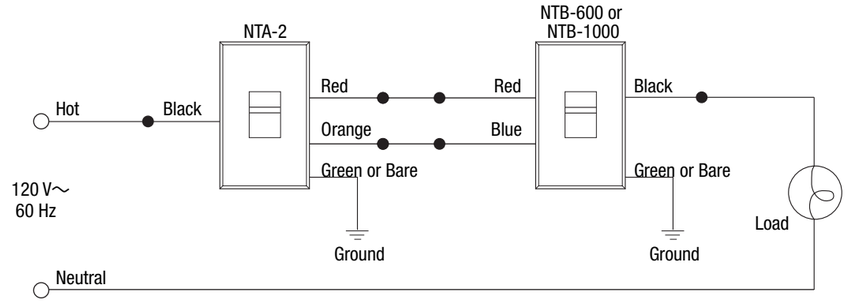
Mounting Diagram

Wiring Diagrams

Base Control (NTB) on Line (Hot) Side



Base Control (NTB) on Load Side



Multigang Installation

Multiple controls can be installed in a common gangable wallbox or a series of interconnected wall-boxes for a clean, consolidated appearance. Lutron multigang faceplates are available to complete the installation. Refer to instruction sheet supplied with multigang faceplates for installation.

For new installations, controls can be ganged with-out removing side sections, but, to reduce the size of the multigang installation or to fit existing wallbox-es , inner side sections must be removed. Because side sections are designed to dissipate heat, remov-ing them requires derating the capacity of base con-trol (NTB only).

Note:

When ganging any combination of small and large controls, place all small controls on one end of the gang and all large controls on the other. Use the chart below to determine the size and rating of each control.

Control Size and Rating Chart

Model	Control Size	No Sides Removed	1 Side Removed	2 Sides Removed
NTB-600	S	600 W	500 W	300 W
NTB-1000	S	1000 W	900 W	700 W

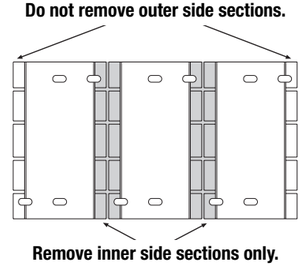
Side Sections Removed

(Derating Required)

Wallbox Requirement Chart

Side Sections Removed		Number of Small Controls						
		0	1	2	3	4	5	6
Number of Large Controls	0	0	1	2	3	4	5	6
	1	1	3	4	5	6	7	8
	2	3	5	6	7	8	9	10
	3	5	7	8	9	10	11	12
	4	7	9	10	11	12	13	14

Remove inner side sections from controls. Using pli-ers, bend side sections up and down until they break off.



No Side Sections Removed

(Derating Not Required)

Wallbox Requirement Chart

No Side Sections Removed		Number of Small Controls				
		0	1	2	3	4
Number of Large Controls	0	0	1	1+1	4	4+1
	1	1	3	5	6	
	2	4	6	7		
	3	6	8			
	4	9				

Note: When ganging an even number of small controls with side sections intact, use gangable 3 in x 2 in (76 mm x 51 mm) wallboxes. Space an addi-tional wallbox ¾ in (19 mm) apart from the other wallboxes. A ¾ in (19 mm) chase nipple is recom-mended as a spacer between wallboxes.

Example: Wallbox arrangement required for gang-ing 4 small controls with no side sections removed: