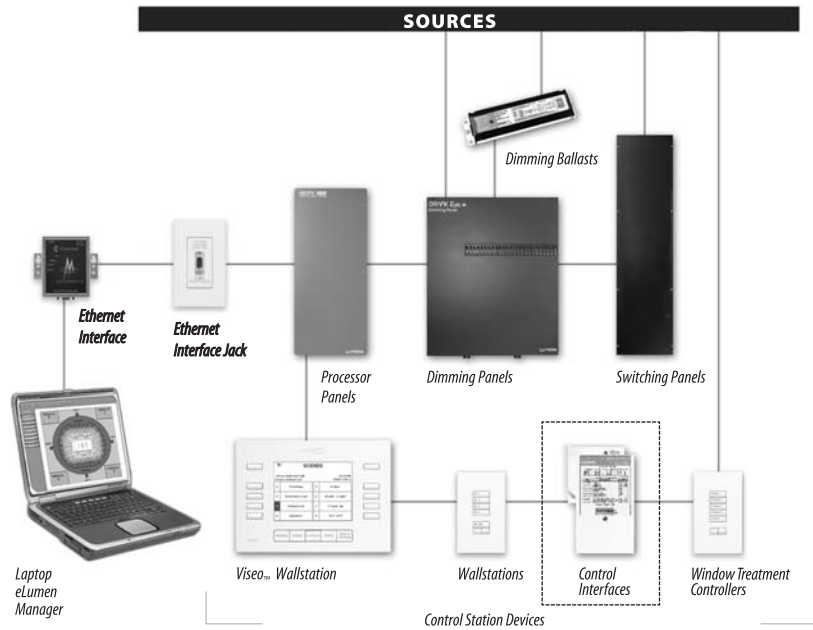


Contact Closure Interface

- Allows **Centralized Lighting Control System** to integrate with other manufacturers' equipment
- Connect through:
 - Contact closures
 - RS-232 commands
 - DMX512 control protocol
 - 0-10V or current-driven photocells

CENTRALIZED LIGHTING CONTROL SYSTEM MAP

- Use the map at right to identify system component being reviewed in each section
- For overall wiring information, see pg. 90






SPECIFICATIONS

- Wire specification and maximums for Control Station Devices (CSD) Link:
 - Wire: (2) #12 AWG (2.5mm²) and (1) twisted shielded pair #18 AWG (1.0mm²)
 - For Lutron cable, see pg. 129
 - Distance: 2,000' (610m); 8,000' (2400m) with use of three MX-RPTR, see pg. 101
 - Installation: Daisy chain (no home-run wiring)
- Power:
 - 33VDC (From **Centralized Lighting Control System Processor**)
- Configuration:
 - Through DesignIT™ software

Standards listed below apply to one or more products in the Lutron product line. Consult factory for specific information.



	Contact Closures		Serial Links
Features/Functions	 OMX-AV pg.124	 OMX-CCO-8 pg.124	 OMX-RS232 pg.124
Preset Scene Control			
Select Scene	yes		yes
Scene Status Feedback	yes		yes ¹
Security/Life Safety	yes		
Initiate a programmed "Panic-on" mode through contact closure input			
Occupant Response	yes		
Lighting control based on occupancy			
Sequencing	yes		yes
Initiate a sequence loop			
Lockout			
<i>Zone Lock</i> – Prevent intensity changes on selected zones	yes		yes
<i>Scene Lock</i> – Disable scene selection within a space	yes		yes
Partition Control			
Set Partition Status	yes		yes
Partition Status Feedback	yes		yes ¹
Scheduling			
<i>External Timeclock</i> – Scene selection through contact closure inputs	yes		
Zone Control			
Independent zone raise/lower	yes		yes
Set zone intensity			yes
Zone on/off status feedback	yes		yes ¹
Zone intensity feedback			yes ¹
Window Treatments			
Open/Close		yes	
Open/Close/Stop		yes	
Open Collector (NPN) Output	yes		
Dry Contact Closure		yes	
RS-232 Integration			yes
	Footnotes, pg. 123 1 Status is returned upon request.		

CONTACT CLOSURES /RS-232



Dimensions

W: 5.00" (127mm)
H: 7.75" (197mm)
D: 2.50" (64mm)
Mounts on a 4.00" square utility box

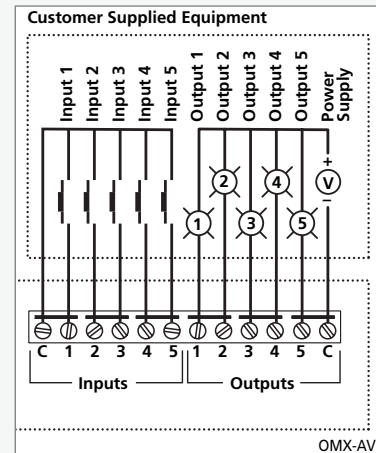
Product

CONTACT CLOSURE INTERFACE

Model

OMX-AV^{1,2}

- Provides two-way interface between Controls and **Centralized Lighting Control System**
- Typical functions (configured through software):
 - Select scenes
 - Raise/lower zones or groups of zones
 - Open and close partitions
 - Enable and disable Wallstations
 - Start and stop sequences
 - Enable and disable panic functions and security modes
- Five inputs and five outputs
- Inputs and outputs can be momentary or maintained
- Output requires external relay and power supply (30VDC maximum) by others for contact closure
- Inputs specification:
 - Input must be dry contact closure or open collector (NPN) with:
 - On-state saturation voltage less than 2.0VDC
 - Off-state leakage current less than 10 mA
 - Open circuit voltage 36V maximum
 - Short circuit current 4.0 mA maximum
- Outputs specification:
 - 38V maximum
 - 200 mA maximum
 - Open collector (NPN) output
 - On-state saturation voltage 1.0V maximum
 - Off-state leakage current 0.1 mA maximum
- Works with occupancy sensors, pg. 127
- Works with infrared partition switch, pg. 125
- For more information, see application note, pg. 70



Dimensions

W: 5.75" (146mm)
H: 10.75" (273mm)
D: 2.00" (51mm)
Mounts on a 4.00" square utility box

CONTACT CLOSURE OUTPUT

OMX-CCO-8^{1,2}

- Provides eight dry contact closure outputs
- For integration to 3rd party controllable window treatments or A/V equipment
- May be set to normally open (NO) or normally closed (NC)
- May be set to momentary or maintained contacts
- Depending on configuration the outputs indicate:
 - Current scene (1-8, 9-16)
 - Zone on/off for eight zones
 - Open/close window treatments (4 shades)
 - Open/close/stop window treatments (2 shades)
- Output ratings: 0-30V, 10A and 30-42V, 0.5A



Dimensions

W: 5.00" (127mm)
H: 7.75" (197mm)
D: 2.50" (64mm)
Mounts on a 4.00" square utility box

RS-232 INTERFACE

OMX-RS232^{1,2}

- Integrates **Centralized Lighting Control System** with user-supplied PC or digital A/V equipment (touch screen) using RS-232 serial communication
- Enables digital control of scene selection, scene lock, sequencing, zone lock, and zone raise/lower
- Can provide status monitoring through button feedback and scene-status updates
- Must be located within 50' (15m) of RS-232 source

Footnotes, pg. 124

- 1 Class 2/PELV control wiring
- 2 Counts as one of 32 maximum Control Station Devices on CSD link.

PARTITIONING



Dimensions

W: 6.32" (161mm)
H: 4.56" (116mm)
D: 1.06" (27mm)³

Wallbox Size: single-gang



Dimensions

W: 6.32" (161mm)
H: 4.56" (116mm)
D: 1.13" (29mm)³

Wallbox Size: single-gang



Dimensions

W: 8.40" (232mm)
H: 5.00" (127mm)
D: 3.88" (99mm)³

Mounts in Lutron-supplied wallbox

Product

Model

INFRARED PARTITION SENSOR

GRX-IRPS-WH

- Infrared sensor provides contact closure based on status of sensor
- Can be used with GRX-AV (**GRAFIK Eye**® 3000/4000 Series), pg. 58 or OMX-AV (**Centralized Lighting Control System Series**), pg. 124 for partitioning; GRX-AV or OMX-AV ordered separately
- Includes transmitter and receiver; (2 units as shown)
- Requires GRX-12VDC for power (see pg. 64)
- Transmitter and receiver are white
- Fits in standard single gang backbox, mounted front side down, on either side of partition wall, near ceiling surface
- Consult factory for additional details when being used with Switch Input Control P/N—NTGRX-SI4S-IR, pg. 48

PARTITION STATUS WALLSTATION

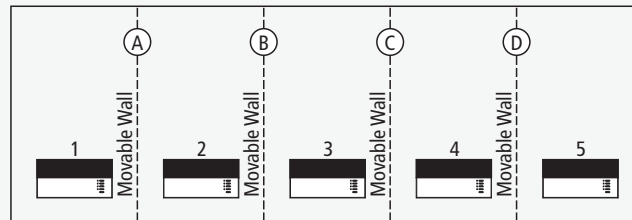
seeTouch™
Architectural

SO-4PS-CF-^{4,5}
NTOMX-4PS-CF-^{4,5}

- Provides four buttons to reflect partition status for up to four movable walls
- Map custom engraved to match your floorplan
- Partition status wallstations are available with control for 2-12 movable walls, contact Lutron customer service for more information

For Example:

This button...	Toggles the status of...	To combine Control Units:
Button 1	Wall A	1 and 2
Button 2	Wall B	2 and 3
Button 3	Wall C	3 and 4
Button 4	Wall D	4 and 5



ROOM ASSIGNOR CONTROL PANEL

OMX-RACP⁵

- Contact Closure Input interface to **Centralized Lighting Control System**
- Provides up to 32 inputs
- Typically used for visual partition status with large rooms, but can be configured to perform any function of the OMX-AV

Footnotes, pg. 125

- 1 Depth includes wallplate and backbox. Wallplate depth is 0.31" (8mm).
- 2 Depth includes wallplate and backbox. Wallplate depth is 0.35" (9mm).
- 3 Depth includes wallplate and backbox. Wallplate depth is 0.38" (10mm).
- 4 Class 2/PELV control wiring
- 5 Counts as one of 32 maximum Control Station Devices on CSD link.

Ordering Example

SO-4PS-CF-WH

For choices see:

www.lutron.com/seeTouch

add color/finish suffix to model #

Infrared Partition Sensor

Ships in 1 week.

Partition Status Wallstations

Ships in 4-6 weeks.

• seeTouch color offering, pg. 10.

• Architectural color offering, pg. 10.

Room Assignor Control Panel

Ships 4-6 weeks after the order and full engraving details are received.

Customization

Ships in 4-6 weeks.

• See pg. 12 for multigang wallplates, color matching, engraving/silk screening, and custom controls.

• See pg. 143 for engraving schedules.

Locking Covers

• See pg. 129 for more information.

DAYLIGHTING



Dimensions

W: 8.94" (227mm)
H: 4.56" (116mm)
D: 2.25" (57mm)

Wallbox Size: four-gang,
3.50" (89mm) deep
Depth includes wallplate and backbox,
wallplate depth is 0.35" (9mm)



Dimensions

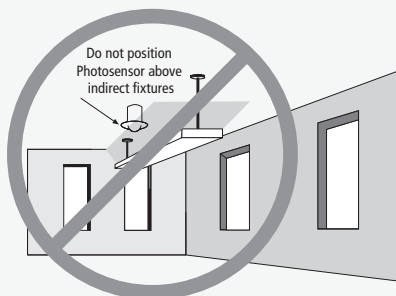
Diameter: 2.59" (66mm)
D: 2.16" (55mm)

Ceiling mounted; 2" (50mm) diameter
hole for bracket (Lutron-supplied)

Photosensors:

- The notch on the Photosensor defines the viewing direction
- Place Photosensor so its viewing area does not extend out of the window
- Do not position the Photosensor in the well of a skylight or above indirect fixtures
- Ensure the view of the Photosensor is not obstructed

MOUNTING CONSIDERATION



Product

DAYLIGHTING CONTROL

Model

OMX-DACPI-2.3

Color

Suffix

Ordering Example

OMX-DACPI-A-AU-WH
add cover option
and color/finish suffix
to model #

COVER OPTIONS

Opaque A
Cover and base will match

Translucent Black T
Black translucent cover with
base color from below

BASE COLORS

Matte Finishes

Standard, ships in 48 hrs.
• *Matte Cover Options: A or T*
• See pg. 10 for complete
color offering and suffixes.

Gloss (NEMA) Finishes

Ships in 4-6 weeks.
• *Gloss Cover Option: A only*
• See pg. 10 for complete
color offering and suffixes.

Metal Finishes

Ships in 4-6 weeks.
• *Metal Cover Option: T only*
• See pg. 10 for complete
color offering and suffixes.

Satin Finishes

Ships in 4-6 weeks.
• *Satin Cover Option: A or T*
• See pg. 10 for complete
color offering and suffixes.

Customization

Ships in 4-6 weeks.
• See pg. 12 for multigang
wallplates, color matching,
engraving/silk screening,
and custom controls.
• See pg. 143 for
engraving schedules.

Locking Covers

• See pg. 129 for
more information.

To processor

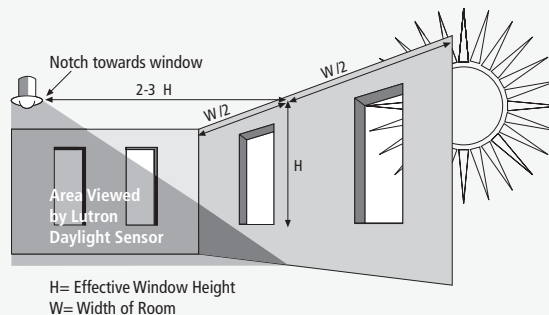


microPS™ CEILING-MOUNTED PHOTOSENSOR

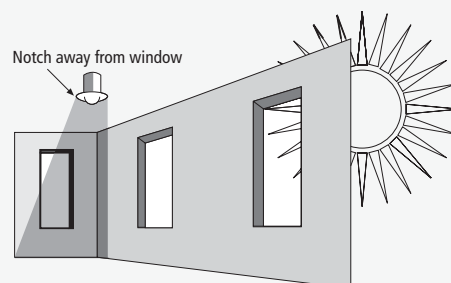
MW-PS-WH

- Responds to daylight and automatically lowers/adjusts light levels
- Linear response from 0 to 500 footcandles
- Easily calibrated at OMX-DACPI
- Available in white (WH) only
- Does not count as one of Control Station Devices (CSD)

PHOTOSENSOR LOCATION FOR AVERAGE SIZE AREA



PHOTOSENSOR LOCATION FOR NARROW AREAS



OCCUPANCY



Dimensions

W: 6.12" (156mm)
H: 1.62" (41mm)
D: 2.31" (59mm)

Ceiling mounted;
3/4" (19mm) diameter
hole for mounting
post (Lutron-supplied)

Product

microOS™ OCCUPANT SENSORS

Model

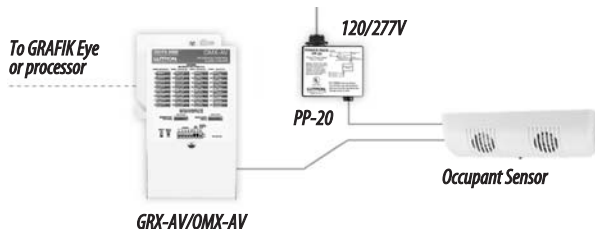
One-way

MOS-CM-15-WH

Two-way

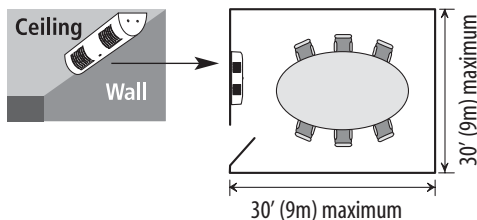
MOS-CM2W-15-WH

- Connects to GRX-AV/OMX-AV to automatically select Scene 1 when space becomes occupied and turns off lights when space is unoccupied
- Requires Lutron Power Pack PP-20 to provide power to sensor; up to five sensors can be powered from one power pack
- Detects motion ultrasonically
- Time delay is user-adjustable through software
- Up to five sensors can be powered from one power pack
- Mounting Considerations:
 - The Occupant Sensor must have an unobstructed view of the room.
 - Do not mount behind or near tall cabinets, shelves, indirect hanging light fixtures, etc.
 - Keep the Occupant Sensor away from air flow from ventilation outlets, windows, fans, etc.
 - Partitions higher than 48" (1.2m) reduce the coverage area of the sensor.
 - Partitionable spaces with partitions higher than 71" (1.8m) should be treated as individual rooms. Contact Lutron for more details
 - The sensor can detect major motion (such as a person taking a half step) at a greater distance than it can detect minor motion (such as writing or typing at a desk)
 - Decrease total coverage area by 15% for "soft" rooms (e.g., heavy draperies or heavy carpeting)



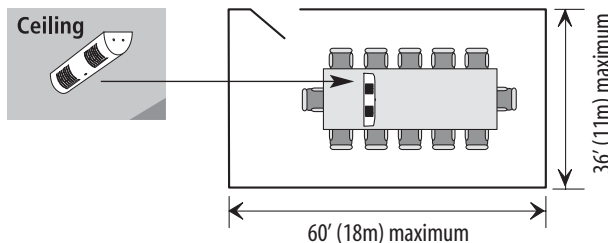
ONE-WAY MOUNTING CONSIDERATIONS

- Detects motion in one direction
- Sensor should mount on ceiling against wall where doorway is located and not face openings into hallways
- Maximum coverage area 900 sq. ft. (84 sq.m)



TWO-WAY MOUNTING CONSIDERATIONS

- Detects motion in two directions
- Sensor should mount in the center of space and not face openings into hallways
- Maximum coverage area 2160 sq. ft. (200 sq.m)



LUTRON POWER PACK

PP-20

- Powers up to 5 microOS Occupant Sensors



THEATRICAL



Dimensions

W: 5.00" (127mm)
H: 7.75" (197mm)
D: 2.50" (64mm)
Mounts on a 4.00"
square utility box

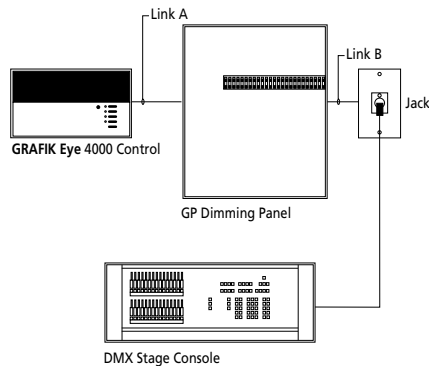


Dimensions- 12 Channel

W: 15.41" (391mm)
H: 2.87" (73mm)
D: 10.13" (257mm)

Dimensions- 24 Channel

W: 25.38" (644mm)
H: 2.87" (73mm)
D: 10.13" (257mm)



Stageboard Receptacle shown

Dimensions

W: 2.75" (70mm)
H: 4.56" (116mm)
D: 2.00" (51mm)¹
Wallbox size: single-gang

Product

Model

DMX512 INTERFACE

LUT-DMX²

- Converts Centralized Lighting Control System intensities to DMX512 output
- Use to control:
 - Fiber optic lighting
 - LED-based lamps
 - Strobe lights
 - Fogger machines
 - Moving fixtures
 - Animated characters
- DMX send (output DMX intensities) only
- Receive DMX using 2Link™ Option in Power Panels, pg. 151

MULTI-CHANNEL THEATRICAL CONSOLES

12 Channel

LTC-12

24 Channel

LTC-24

- Two-scene preset mode with 12 or 24 channels
- Dipless crossfade between manual scenes
- Preset scenes may be "piled on" in any combination
- Preview mode allows cues to be checked
- Preset memories: 48 or 96
- DMX Output: 5 Pin XLR
- Analog Output: (2 each) 8 Pin CJ Male or (1 each) 27 Pin CJ Male
- Other models available, contact Lutron
- Cable with male and female XLR style connectors available from Lutron, (P/N GRX-CBL-LTC-25)

2Link™

The 2Link option provides two distinct control links inside each Power Panel. Each link—Link A and Link B—is capable of operating on any one of four systems—Lutron's GRAFIK Eye® 4000, Lutron's Centralized Lighting Control System, or USITT DMX512 protocol. Each system or protocol is unique, but the Power Panel is designed to automatically detect which one is present and operate accordingly.

When ordering the appropriate panel, ask for the 2Link option.

THEATRICAL RECEPTACLES²

- Receptacle provides standard pinout for DMX512 theatrical protocol
- Class 2/PELV device; barriers must be provided when line-voltage and Class 2 controls are ganged together in the same wallbox
- DMX cable available from Lutron (P/N GRX-CBL-DMX)
- See pg. 130 for colors/finishes

Stageboard Receptacle

NT-DMXJ-IN-WH

- Five pin XLR style male jack for connection to a theatrical stage board

Fixture Equipment Receptacle

NT-DMXJ-OUT-WH

- Five pin XLR style female jack for connecting LUT-DMX to a theatrical fixture equipment

Footnotes, pg. 128

- 1 Depth includes wallplate and backbox. Wallplate depth is 0.35" (9mm).
- 2 Class 2/PELV control wiring



Product	Model
---------	-------

LOCKABLE COVERS

Single-gang	GRX-1GLC
Two-gang	GRX-2GLC
Three-gang	GRX-3GLC
Four-gang	GRX-4GLC

- Prevents tampering with GRAFIK Eye® Control Units or Wallstations
- Permits infrared operation
- Translucent smoked gray
- Cover slides left or right

REPLACEMENT COVERS

Two-gang	GRX-2-GRC-
Three-gang	GRX-3-GRC-
Four-gang	GRX-4-GRC-

- See pg. 118 for cover options and base colors.
- For 230V applications, all GRAFIK Eye® 3000 Series Control Units are four-gang

LOW-VOLTAGE CABLE¹

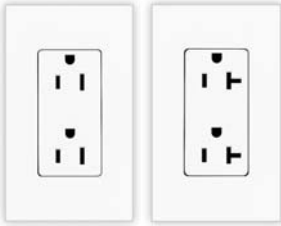
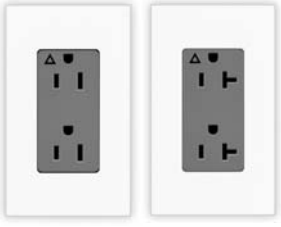
GRAFIK Eye 4000, Centralized Lighting Control Systems and Digital MicroWATT™

250' spool	GRX-CBL-46L-250 (non-plenum)
	GRX-PCBL-46L-250 (plenum)
500' spool	GRX-CBL-46L-500 (non-plenum)
	GRX-PCBL-46L-500 (plenum)

- Five conductors:
#12 AWG (2.5mm²) for power wires;
#22 AWG (1.00mm²) for control wires

Footnotes, pg. 129

¹ For information on cable size and distance, see "Application Note W14" on the Lutron website.

	Product	Model	Color	Suffix
 <p>15A 20A</p>	RECEPTACLES¹ 15A, 125V 20A, 125V • Wallplate included	NTR-15- NTR-20-	Ordering Example NTR-15-WH add color/finish suffix to model #	
	GFCI RECEPTACLES¹ 15A, 125V 20A, 125V • Wallplate included • GFCI receptacles are only available in white, ivory, gray, brown, and black. Bright chrome, bright brass, and satin brass wallplates are available	NTR-15-GFCI- NTR-20-GFCI-	Matte Finishes Standard, ships in 48 hrs. White WH Ivory IV Beige BE Gray GR Brown BR Black BL	
	ISOLATED GROUND RECEPTACLES¹ 15A, 125V 20A, 125V • Wallplate included • GFCI Receptacle is orange. Wallplate is the color requested by customer. Isolated Ground Receptacles can be special ordered to match wallplate	NTR-15-IG-OR- NTR-20-IG-OR-	Metal Finishes Ships in 4-6 weeks. Bright Brass BB Bright Chrome BC Bright Nickel BN Satin Brass SB Satin Chrome SC Satin Nickel SN Antique Brass QB Antique Bronze QZ Anodized Aluminum Clear CLA Black BLA Brass BRA	
	TELEPHONE JACKS Single Telephone Jack^{1,2} • 6-conductor jack • Accepts most 4- or 6-conductor plugs Double Telephone Jack^{1,2,3} • 8-conductor jacks, category 5 • Not shown Triple Telephone Jack^{1,2,3} • 8-conductor jacks, category 5	NT-PJ- NT-PJ8X2- NT-PJ8X3-	Customization Ships in 4-6 weeks. • See pg. 12 for multigang wallplates, color matching, engraving/silk screening, and custom controls. • See pg. 143 for engraving schedules.	
 <p>15A 20A</p>	CABLE JACKS^{1,2} Cable TV Jack^{1,2,3} • F style, 75-Ohm coaxial cable Telephone/Cable TV Jack^{1,2,3} • 8-conductor jacks, category 5 with F-style, 75-Ohm coaxial cable	NT-CJ- NT-PJ8CJ-		
	Footnotes, pg. 130 1 No derating required if ganged. 2 A physical barrier (partition) must exist when ganging with 120V products. 3 Trim is white around white, ivory, and beige Telephone Jacks. Trim is black around gray, brown, and black Telephone Jacks. Trim is black around custom and special metals.			



Product	Model	Color	Suffix
<p>SIX-PORT FRAME JACK ^{1,2,3}</p> <ul style="list-style-type: none"> Field customizable, multi-port frame offering Six ports (matching blanks provided in frame) Multiple connector types available (Phone, Cable, Fiber, BNC) Connectors snap to fit into frame Frame fits faceplates with a Designer opening Can be used in single and multigang applications 	NT-6PF-	Ordering Example NT-6PF-WH add color/finish suffix to model #	
Matte Finishes			
Standard, ships in 48 hrs.			
		White	WH
		Ivory	IV
		Beige	BE
		Gray	GR
		Brown	BR
		Black	BL
Metal Finishes			
Ships in 4-6 weeks.			
		Bright Brass	BB
		Bright Chrome	BC
		Bright Nickel	BN
		Satin Brass	SB
		Satin Chrome	SC
		Satin Nickel	SN
		Antique Brass	QB
		Antique Bronze	QZ
		Anodized Aluminum	
		Clear	CLA
		Black	BLA
		Brass	BRA
Customization			
Ships in 4-6 weeks.			
• See pg. 12 for multigang wallplates, color matching, engraving/silk screening, and custom controls.			
• See pg. 143 for engraving schedules.			
CONNECTORS			
<ul style="list-style-type: none"> For use with 6-port frame (NT-6PF-), each connector fills one port. Connectors available in white (WH) only. For information about additional colors or connectors contact Lutron Customer Service. 			
Phone Jack 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 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		
BNC Jack BNC connector, 50-Ohm	CON-1B-WH		
Footnotes, pg. 131			
1 No derating required if ganged.			
2 A physical barrier (partition) must exist when ganging with 120V products.			
3 Trim is white around white, ivory, and beige Telephone Jacks. Trim is black around gray, brown, and black Telephone Jacks. Trim is black around custom and special metals.			



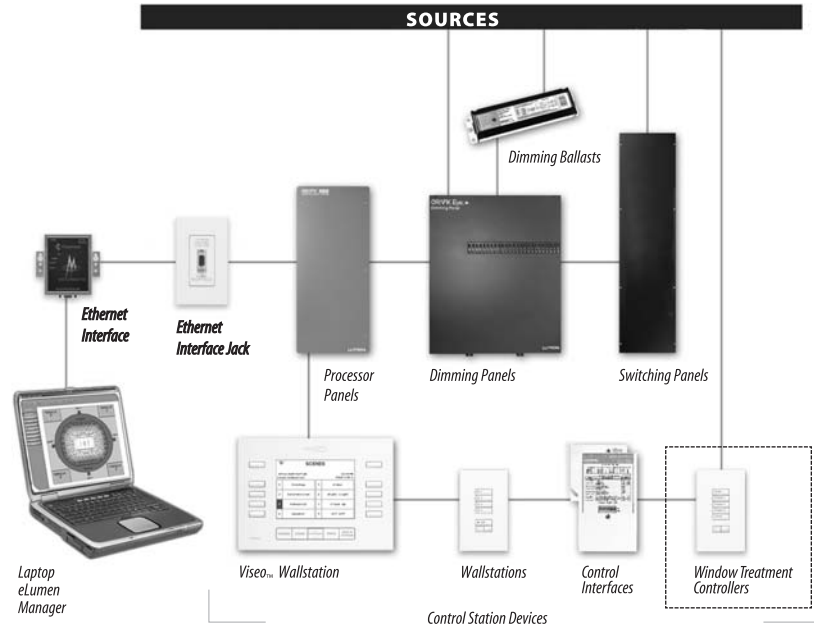
seeTouch Window Treatment Wallstation

seeTouch™ Window Treatment Wallstations

- Used to control one or more window treatment zones (**Sivoia QED™** and AC Motorized Window Treatments) simultaneously with **Sivoia QED Controller**, pg. 133 and/or Motor Modules in Power Panels, see pg. 173
- The LEDs next to each button are used during programming and provide feedback when the buttons are pressed during normal operation
- Can be set to control up to 8 groups of **Sivoia QED** Controllable Window Treatments For each group of **Sivoia QED** Controllable Window Treatments, a **GRAFIK Systems Sivoia QED Controller** is needed, see pg. 133
- Large, rounded buttons are easy to use
- User-changeable button and faceplate assemblies make for easy customization
- Optional engraving is angled up to the eye for easy reading
- On-button engraving and backlit buttons improve clarity of control functions in low light conditions
- Standard text and non-standard text engraving available; for more details, please visit the website at www.lutron.com/seeTouch
- Insert versions available for multigang installations. See pg. 136 for more information

CENTRALIZED LIGHTING CONTROL SYSTEM MAP

- Use the map at right to identify system component being reviewed in each section
- For overall wiring information, See pg. 90



SPECIFICATIONS

- Wire specification and maximums for Control Station Devices (CSD) Link:
 - Wire: (2) #12 AWG (2.5mm²) and (1) twisted, shielded pair #18 AWG (1.0mm²) plus (1) #18 AWG (1.0mm²)
 - For Lutron cable, see pg. 129
 - Distance: 2,000' (610m); 8,000' (2400m) with use of three MX-RPTR
 - Installation: Daisy chain (no home-run wiring)
- Power: 33VDC (from **Centralized Lighting Control System Processor**)
- Configuration: Through Setup software
- Mounting: Standard US wallbox unless otherwise noted;
 - No derating required when multiganged
- **Centralized Lighting Control System Sivoia QED Controller (SO-SVCN)** connects to both **GRAFIK** and **Sivoia QED Communication Links**
 - to **Centralized Lighting Control System**: (2) #12 AWG (2.5mm²) and (1) twisted, shielded pair #18 AWG (1.0mm²)
 - to **Sivoia QED EDU**: (3) #18 AWG (1.0mm²) [24VAC, plus earth ground] and (1) twisted, shielded pair #22 AWG (1.0mm²)

Standards listed below apply to one or more products in the Lutron product line. Consult factory for specific information.





Dimensions

W: 2.75" (70mm)
H: 4.56" (116mm)
D: 1.06" (27mm)¹
Wallbox Size: single-gang



Dimensions

W: 2.75" (70mm)
H: 4.56" (116mm)
D: 1.06" (27mm)¹
Wallbox Size: single-gang²

Product	Model	Color	Suffix
<p>CENTRALIZED LIGHTING CONTROL SYSTEM SIVOIA QED™ CONTROLLER</p> <ul style="list-style-type: none"> • Requires a dedicated zone for each Sivoia QED Controller • Provides programming and control of one group of Sivoia QED Controllable Window Treatments; one SO-SVC needed per group of Sivoia QED Controllable Window Treatments (up to 64 EDUs) moving together • Allows for the selection of preset window treatment levels from scenes • Typical functions (configured through software): <ul style="list-style-type: none"> - Pressing the Open button once will cause the window treatments to move to their fully open position Pressing the Open button again while the window treatments are opening will stop their movement - Pressing Preset 1, 2, or 3 once will cause the window treatments to move to that preset level. If the Preset button is pressed again while the window treatments are moving, the window treatments will stop - Pressing the Close button once will cause the window treatments to move to their fully closed position. Pressing the Close button again will stop their movement. - Raise/Lower buttons open and close the window treatments for the duration of the button press • Class 2/PELV control wiring; connects to both Wallstation Link and Sivoia QED Motor Drive Unit (EDU) link 	SO-SVCN-2,3		
<p>2-BUTTON WINDOW TREATMENT WALLSTATION</p> <ul style="list-style-type: none"> • Use with SO-SVC Sivoia QED Controller or Motor Modules in Power Panels, pg. 173 • Used to control one or more window treatment zones simultaneously • Can control Sivoia QED and AC Motorized Window Treatments • Typical functions (configured through software): <ul style="list-style-type: none"> - Pressing the Open button once will cause the window treatments to move to their fully open position Pressing the Open button again while the window treatments are opening will stop their movement - Pressing the Close button once will cause the window treatments to move to their fully closed position Pressing the Close button again will stop their movement • Standard Text Engraving option (EO1) shown 	SO-2WN-2,3		
<p>Footnotes, pg. 133</p> <ol style="list-style-type: none"> 1 Depth includes wallplate and backbox. Wallplate depth is 0.31" (8mm). 2 Insert version available for multigang installations. For insert version use I in place of last N in Model Number. See pg. 136 for more information. 3 Counts as one of 32 maximum Control Station Devices on CSD link. 			

Ordering Example

SO-SVCN-WH-EO1

add color/finish and engraving suffix to model #.

For choices see:

www.lutron.com/seeitouch

Matte Finishes

Ships in 48 hrs.

White	WH
Ivory	IV
Beige	BE
Gray	GR
Brown	BR
Black	BL

Gloss (NEMA) Finishes

Ships in 48 hrs.

(Insert models only)

White	GWH
Light Almond	GLA

Metal Finishes

Ships in 4-6 weeks.

Bright Brass	BB
Bright Chrome	BC
Bright Nickel	BN
Satin Brass	SB
Satin Chrome	SC
Satin Nickel	SN
Antique Brass	QB
Antique Bronze	QZ

Anodized Aluminum

Clear	CLA
Black	BLA
Brass	BRA

Satin Finishes

Ships in 48 hrs.

• See pg. 10 for complete color offering and suffixes.

Customization

Ships in 4-6 weeks.

• See pg. 12 for multigang wallplates, color matching, engraving/silk screening, and custom controls.

• See pg. 143 for engraving schedules.

Locking Covers

• See pg. 129 for more information.



Dimensions

W: 2.75" (70mm)
H: 4.56" (116mm)
D: 1.06" (27mm)¹

Wallbox Size: single-gang



Dimensions

W: 2.75" (70mm)
H: 4.56" (116mm)
D: 1.06" (27mm)¹

Wallbox Size: single-gang

Product

Model

Color

Suffix

3-BUTTON WINDOW TREATMENT WALLSTATION

SO-3WN^{-2,3}

- Use with Sivoia QED Controller (SO-SVCN-), pg. 133 or Motor Modules in Power Panels, pg. 173
- Typical functions (configured through software):
 - Pressing the Open button once will cause the window treatments to move to their fully open position. Pressing the Open button again while the window treatments are opening will stop their movement
 - Pressing the Close button once will cause the window treatments to move to their fully closed position. Pressing the Close button again will stop their movement
 - Pressing Stop will stop the movement of the window treatments
- Standard Text Engraving option (E01) shown

3-BUTTON WINDOW TREATMENT WALLSTATION WITH RAISE/LOWER

SO-3WRLN^{-2,3}

- Use with Sivoia QED™ Controller (SO-SVCN-), pg. 133 or Motor Modules in Power Panels, pg. 173
- Typical functions (configured through software):
 - Pressing the Open button once will cause the window treatments to move to their fully open position. Pressing the Open button again while the window treatments are opening will stop their movement
 - Pressing the Close button once will cause the window treatments to move to their fully closed position. Pressing the Close button again will stop their movement
 - Pressing Stop will stop the movement of the window treatments
 - Raise/Lower buttons open and close the window treatment(s) for the duration of the button press
- Standard Text Engraving option (E01) shown

Ordering Example

SO-3WN-WH-E01

add color/finish and engraving suffix to model #.

For choices see:

www.lutron.com/see-touch

Matte Finishes

Ships in 48 hrs.

White	WH
Ivory	IV
Beige	BE
Gray	GR
Brown	BR
Black	BL

Gloss (NEMA) Finishes

Ships in 48 hrs.

(Insert models only)

White	GWH
Light Almond	GLA

Metal Finishes

Ships in 4-6 weeks.

Bright Brass	BB
Bright Chrome	BC
Bright Nickel	BN
Satin Brass	SB
Satin Chrome	SC
Satin Nickel	SN
Antique Brass	QB
Antique Bronze	QZ

Anodized Aluminum

Clear	CLA
Black	BLA
Brass	BRA

Satin Finishes

Ships in 48 hrs.

• See pg. 10 for complete color offering and suffixes.

Customization

Ships in 4-6 weeks.

• See pg. 12 for multigang wallplates, color matching, engraving/silk screening, and custom controls.

• See pg. 143 for engraving schedules.

Locking Covers

• See pg. 129 for more information.

Footnotes, pg. 134

- 1 Depth includes wallplate and backbox. Wallplate depth is 0.31" (8mm).
- 2 Insert version available for multigang installations. For insert version use I in place of last N in Model Number. See pg. 136 for more information.
- 3 Counts as one of 32 maximum Control Station Devices on CSD link.



Dimensions

W: 2.75" (70mm)

H: 4.56" (116mm)

D: 1.06" (27mm)¹

Wallbox Size: single-gang



Dimensions

W: 2.75" (70mm)

H: 4.56" (116mm)

D: 1.06" (27mm)¹

Wallbox Size: single-gang

Product

Model

Color

Suffix

3-BUTTON DUAL WINDOW TREATMENT WALLSTATION

SO-3WDN^{-2,3}

- Use with Sivoia QED™ Controller (SO-SVCN-), pg. 133 or Motor Modules in Power Panels, pg. 173
- Used to control one or more window treatment zones simultaneously in **Centralized Lighting Control Systems**
- Provides control for two separate groups of window treatments from one Wallstation
- Typical functions (configured through software):
 - Pressing the Open button once will cause the window treatments to move to their fully open position
 - Pressing the Open button again while the window treatments are opening will stop their movement
 - Pressing the Close button once will cause the window treatments to move to their fully closed position
 - Pressing the Close button again will stop their movement
 - Pressing Stop will stop the movement of the window treatments
- Standard Text Engraving option (EO1) shown

Ordering Example

SO-3WDN-WH-EO1

add color/finish and engraving suffix to model #.

For choices see:

www.lutron.com/seeitouch

Matte Finishes

Ships in 48 hrs.

White	WH
Ivory	IV
Beige	BE
Gray	GR
Brown	BR
Black	BL

Gloss (NEMA) Finishes

Ships in 48 hrs.

(Insert models only)

White	GWH
Light Almond	GLA

Metal Finishes

Ships in 4-6 weeks.

Bright Brass	BB
Bright Chrome	BC
Bright Nickel	BN
Satin Brass	SB
Satin Chrome	SC
Satin Nickel	SN
Antique Brass	QB
Antique Bronze	QZ

Anodized Aluminum

Clear	CLA
Black	BLA
Brass	BRA

Satin Finishes

Ships in 48 hrs.

• See pg. 10 for complete color offering and suffixes.

Customization

Ships in 4-6 weeks.

• See pg. 12 for multigang wallplates, color matching, engraving/silk screening, and custom controls.

• See pg. 143 for engraving schedules.

Locking Covers

• See pg. 129 for more information.

5-BUTTON PRESET SIVOIA QED WALLSTATION WITH RAISE/LOWER

SO-5WRLN^{-2,3}

- Use with Sivoia QED Controllable Window Treatments only-no motor modules
- Used to simultaneously control one or more zones of Sivoia QED Controllable Window Treatments from a **Centralized Lighting Control System**
- Typical functions (configured through software):
 - Pressing the Open button once will cause the window treatments to move to their fully open position
 - Pressing the Open button again while the window treatments are opening will stop their movement
 - Pressing the Preset 1, 2, or 3 button once will cause the window treatments to move to that preset level. If the Preset button is pressed again while the window treatments are moving, the window treatments will stop
 - Pressing the Close button once will cause the window treatments to move to their fully closed position
 - Pressing the Close button again will stop their movement
 - Raise/Lower buttons open and close the window treatment(s) for the duration of the button press
- Standard Text Engraving option (EO1) shown

Footnotes, pg. 135

- 1 Depth includes wallplate and backbox. Wallplate depth is 0.31" (8mm).
- 2 Insert version available for multigang installations. For insert version use I in place of last N in Model Number. See pg. 136 for more information.
- 3 Counts as one of 32 maximum Control Station Devices on CSD link.

How To Build seeTouch Models

Example: SG-2BN-WH-E01



① Series

SG

Three options for **GRAFIK Eye®** lighting control systems.

3000 and 4000 Series

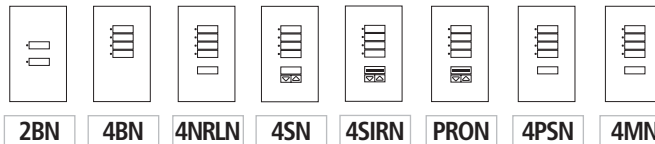
SG

② Button Configurations/Features

2 B N

Choose the button configurations and features required.

NON-INSERT (N) MODELS



INSERT (I) MODELS



③ Non-Insert or Insert

Use **NON-INSERT (N)** Models for a clean single-gang look. Use **INSERT (I)** Models for multigang applications.

N

Non-Insert for single-gang use

I

Insert for multigang use

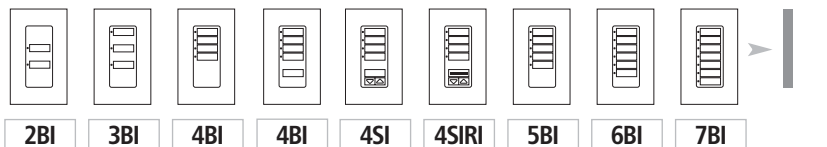
Centralized Lighting Control System

SO

NON-INSERT (N) MODELS



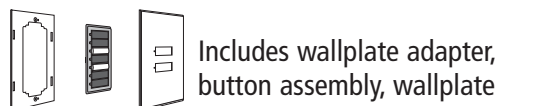
INSERT (I) MODELS



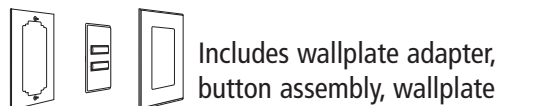
Button and Wallplate Replacement Kits

SR

NON-INSERT (N) MODELS



INSERT (I) MODELS



TIP!
Use Button Replacement Kits to:
 ◇ Order Non-Standard Text Engraving
 ◇ Change colors, button configurations, and engraving
 ◇ Change between Insert and Non-Insert

4 Colors/Finishes

W H

Insert a Color/Finish code into the model number.

Matte

- WH** White³
- BE** Beige³
- IV** Ivory²
- GR** Gray²
- BR** Brown²
- BL** Black²

Satin

- SW** Snow³
- BI** Biscuit³
- ES** Eggshell³
- TP** Taupe²
- MN** Midnight²
- BT** Blue Mist³
- LS** Limestone²
- ST** Stone²
- DS** Desert Stone²
- TC** Terracotta²
- OC** Ochre²
- HT** Hot²
- MR** Merlot^{2,4}
- GB** Greenbriar^{2,4}
- BG** Bluestone^{2,4}
- CB** Cobalt^{2,4}
- SI** Sienna^{2,4}

Gloss¹

- GWH** White³
- GLA** Light Almond³

Metal

- SB** Satin Brass²
- BB** Bright Brass²
- BC** Bright Chrome²
- QB** Antique Brass²
- QZ** Antique Bronze²
- SC** Satin Chrome²
- SN** Satin Nickel²
- BN** Bright Nickel²
- CLA** Clear²
- BLA** Black²
- BRA** Brass²

Footnotes, pg. 137

- 1 Gloss available for Insert models only.
- 2 Illuminated (backlit) text with opaque buttons. Metals have black buttons.
- 3 Illuminated (backlit) buttons with opaque text.
- 4 Available Fall 2004.

5 Language

E

Standard Text Engraving is available in 13 languages. Insert a language code into the model number.

- Arabic **A**
- Chinese **C**
- Danish **D**
- Dutch **N**
- English **E**
- French **F**
- German **G**
- Italian **I**
- Japanese **J**
- Portuguese, Brazil **B**
- Portuguese, Europe **P**
- Spanish, Europe **S**
- Spanish, Americas **L**

Note: Language is not required for non-standard text engraving **NST**, see right.

6 Engraving Choices

0 1

3 options are available for engraving (see www.lutron.com/seeTouch). Insert an engraving code into the model number.

GENERAL

Add **GN** to model number. Language code is required.

STANDARD TEXT

01 — **99**

Available in a number of standard choices. Language code and engraving number is required. For choices, see www.lutron.com/seeTouch.

NON-STANDARD TEXT (SR ONLY)

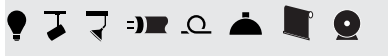



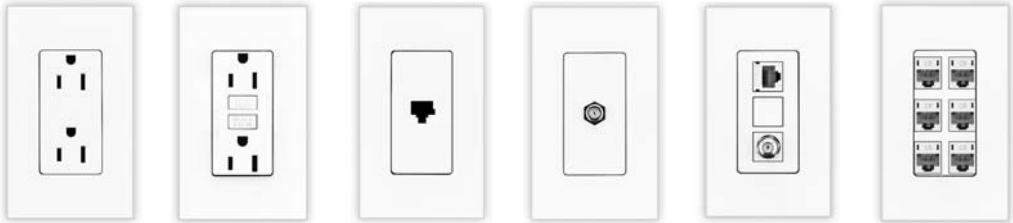



Offers customized button engraving to suit particular needs. To order, contact Lutron Customer Service. Add **NST** to model number. No language code is required.

Multigang Ordering

CONTROLS: Order Insert (I) models for multigang installations. Contact Lutron for multigang installations using Non-Insert (N) models.

WALLPLATES: Specify "R3" openings in Lutron NovaT[®] multigang FB Series (fins broken only) wallplates. Note: seeTouch button assemblies are NOT provided with multigang wallplates. Use the button assemblies provided with Insert (I) Models or Button Replacement Kits.

Four schedules to detail a project










<p>Lighting Load Schedule, pg. 139</p>	 <p>Details the connected load and load type for each circuit/zone.</p>
<p>Lighting Control Schedule, pg. 140</p>	 <p><i>Nova T</i>  <i>GRAFIK Eye</i> </p> <p>Details all controls, not just dimmers.</p> <ul style="list-style-type: none"> • This includes 3-way switches, wallstations, multigang faceplates, etc. • Typically used for multiroom projects, especially large residential projects
<p>Accessory Schedule, pg. 141</p>	 <p><i>Nova T</i>  <i>Accessories</i></p> <p>A reference guide for the switches, receptacles, and jacks that aesthetically match the dimmers.</p> <ul style="list-style-type: none"> • Schedule provides room to specify quantity, color and symbol used on plans
<p>Engraving Schedule, pg. 143</p>	 <p><i>seeTouch</i>  <i>Logo Engraving</i></p> <p>Indicates where and what type of engraving is required.</p> <ul style="list-style-type: none"> • A schedule should be filled out for each lighting control or multigang faceplate • Engraving is an additional charge; contact Lutron for more information

Accessory Schedule

A reference guide for the switches, receptacles, and jacks that aesthetically match the dimmers.

- Schedule provides room to specify quantity, color and symbol used on plans

Architectural Portfolio Accessory Schedule

Accessory	Symbol	QTY.	Description	Rating	Model #	Color/Finish
 <input type="checkbox"/> 15A <input type="checkbox"/> 20A			Receptacle	15A 20A	NTR-15- NTR-20-	
 <input type="checkbox"/> 15A <input type="checkbox"/> 20A			GFCI Receptacle	15A 20A	NTR-15-GFCI- NTR-20-GFCI-	
 <input type="checkbox"/> 15A <input type="checkbox"/> 20A			Isolated Ground Receptacle	15A 20A	NTR-15-IG- NTR-20-IG-	
			Telephone Jack	6-conductor	NT-PJ-	
			Double Telephone Jack	8-conductor, each jack category 5	NT-PJ8X2-	
			Triple Telephone Jack	8-conductor, each jack category 5	NT-PJ8X3-	
			Cable TV Jack	F-Style, 75-Ohm coaxial cable	NT-CJ-	
			Telephone/Cable TV Jack	8-conductor, category 5, 75-Ohm coaxial cable	NT-PJ8-CJ-	
			Six Port Frame Jack	8-conductor, category 5, 75-Ohm coaxial cable	NT-6PF-	

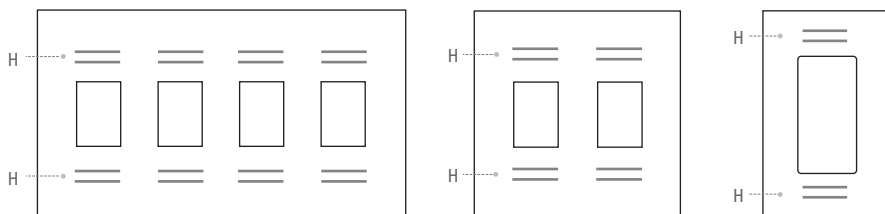
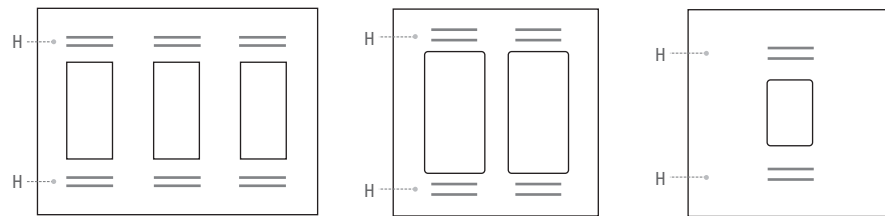
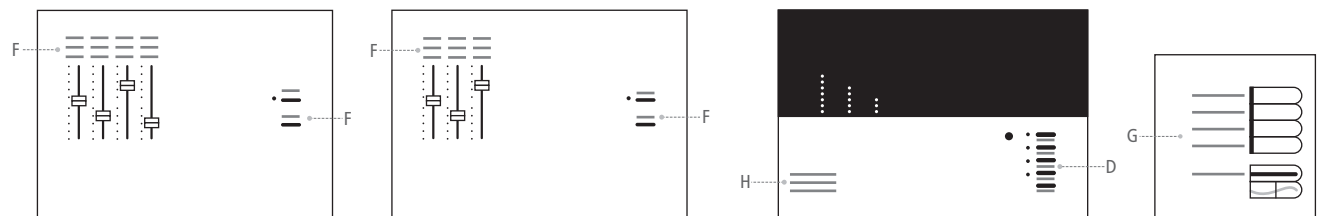
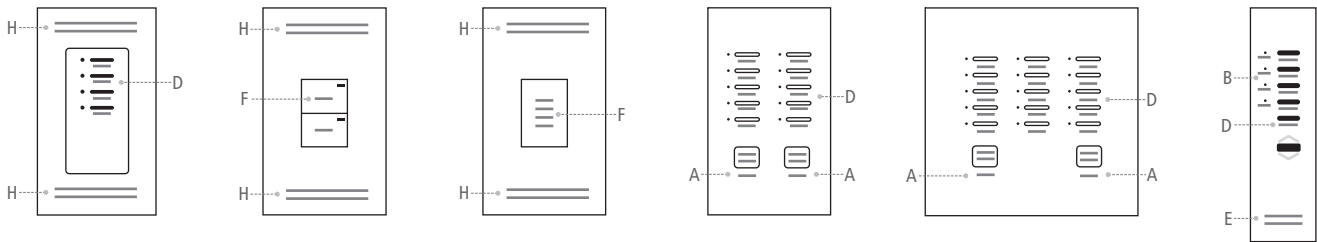
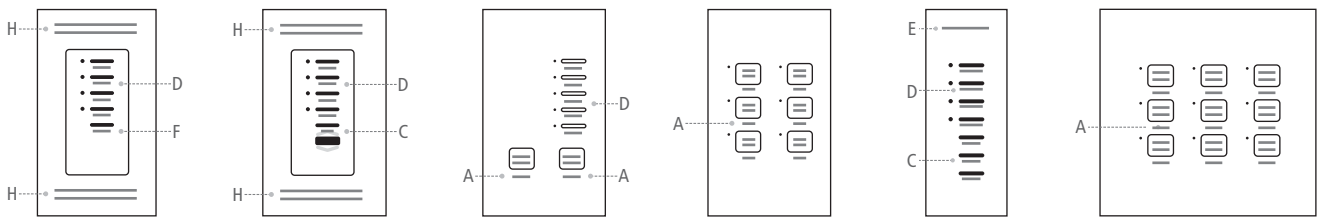
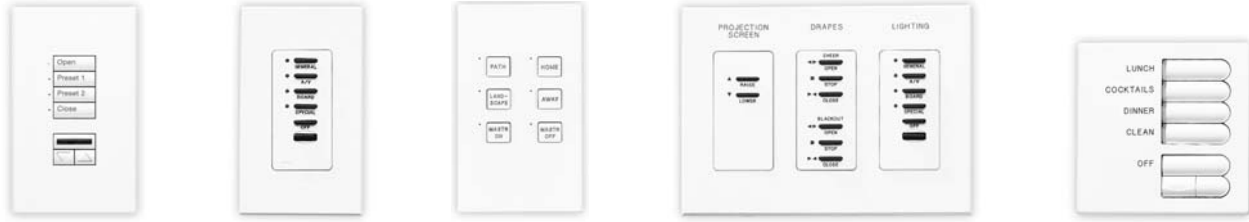
How To Order Custom Engraving

ENGRAVING EXAMPLES

- Select the product drawing below that matches your control or wallplate
- Product drawings indicate the placement and number of lines available for engraving
- Engraving Chart (bottom, right) indicates the recommended maximums for point size and characters per line including spaces
- Use information from this page to fill out Engraving Schedule at right

Products Available for Engraving

- GRAFIK Eye® Control Units and wallstations
- Wallplates on Vareo®, NovaT☆®, Nova® controls and accessories
- WWP-, FB-, and NFB-Series wallplates



ENGRAVING CHART		
Recommended Maximums		
Key	Point Size	Characters per Line (including spaces)
A	8	5
B	8	6
C	8	7
D	8	10
E	8	13
F	10	7
G	10	14
H	12	12
I	10	10

