

EASYTOUCH II WIRELINK SCENEPOINT UNIVERSAL DIMMER AND KEYPAD STATION

| DSU1xxE-xxxx

Dimmer and keypad in one package, allows for local dimming and system control from one device

Maximum load of 5.8A (700W @ 120V)

Custom color palette options to match or mix finishes for trims, buttons, and faceplates

Universal forward and reverse phase dimming. Dims Incandescent, LED, dimmable CFL, dimmable ballasts, magnetic low-voltage, or neon/cold cathode



Backlighting automatically adjusts based on time of day

Modular one to five button options

Laser-engraved buttons are available with LED backlighting in any color

Hidden infrared receiver allows you to easily select new lighting or shading scenes via remote control

Description

The Legrand EasyTouch II WireLink ScenePoint Universal Dimmer and Keypad Station is a standard wall box dimmer that also connects to the Legrand Architectural Dimming system. It is powered by the local line feed, and replaces a standard high-voltage wall switch. ScenePoint Dimmers and Keypad Stations allow a maximum load of 5.8A (700W @ 120V) per single gang and connect to high-voltage wiring within the box for local lighting control. ScenePoint Dimmers and Keypad Stations also connect to the Legrand system with two-way communication for centralized control of the lighting circuit via the traditional two-wire Station Bus. ScenePoint Dimmers and Keypad Stations fit the needs of any new construction or expansion projects and allow for incremental expansion of a system to accommodate almost any design or budget.

EasyTouch II Design Style

EasyTouch II is a modular keypad style with contemporary aesthetics and functionality that complement each project design. Available in one through five-button configurations, EasyTouch II's custom color palette allows designers to match or mix finishes for trims, buttons, and faceplates. Buttons feature full-range RGB backlighting with a built-in diffuser. The backlight color indicates the status of the programmed button by providing the user with the option to personalize the color for on, off, or other status feedback. And, due to the use of laser engraving, only the lettering on each button will be illuminated, maintaining the aesthetic appeal of the keypad.

Operation

ScenePoint Dimmers and Keypads are programmed through Design Center software (2.3 or higher). Installation is very simple, requiring a proprietary 2-wire Station Bus pigtail connection and standard line voltage connections. The ScenePoint Dimmers and Keypads can be mounted into standard 1-4 gang electrical boxes and do not require load de-rating when ganged.

Applications

The ScenePoint Dimmers and Keypads are ideal for any commercial application project. Adding dimming control to an existing system or in a retrofit situation is as easy as replacing a wall switch and bringing in the Station Bus. Universal dimmer stations allow for control of any phase controlled lighting load. Whether the lighting is forward or reverse phase dimming the switch can detect the load type and control it appropriately. In addition, a completely distributed control system can be designed using remote dimmers. The dimmer can be paired with Equinox touchscreens to fulfill a project's requirements or used alone for smaller projects or those expected to expand.

PROJECT		LOCATION/ TYPE	
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Features

- Load control and system keypad in one package
- Connected load(s) can be controlled even if not connected to Station Bus
- Other keypad buttons allow for scene setting or control of third party systems
- Allows for expansion of a centralized lighting control system or for creation of a standalone distributed system
- True type font laser engraved button text
- Full range RGB adjustable backlight for buttons
- Hidden ambient light sensor for automatic day/night backlight intensity control
- Hidden built-in IR receiver
- Responds instantly to button press regardless of system size
- Accepts multi-event programming on a single button
- Uses the standard two-wire, non-polarized Station Bus for communication

Specifications

- Dimensions (HWD): Height, All Gangs 4.3" (109mm), one gang width: 2.5" (64mm), two gang width: 4.3" (109mm) Depth, all gangs: 1.38" (35mm)
- Weight: .9 oz (139g) (1-gang), 8 oz (227g) (2-gang)
- Voltage: 120 ~ 60/50Hz
- Ambient operating humidity: 5 - 95% non-condensing
- Ambient operating temperature: 32 - 95°F (0 - 35°C)
- Arc suppression: Zero cross built-in arc suppression
- Auto LED intensity: Yes, built-in/standard
- Backlit buttons: 3 color LEDs
- Built-in lightning/Surge protection - high-voltage: MOV surge suppression - high-voltage meets IEEE C62.41 (6000V & 3000A)
- Cooling: None required
- IR Receiver: Yes, built-in/standard
- Maximum load: 5.8A (700W @ 120V)
- Minimum load required: 2W @ 120V
- Load types: Incandescent, magnetic low-voltage, forward phase fluorescent dimming ballasts, non-dimmable fluorescent ballasts (relay mode only), neon, cold cathode (lpf), and HID
- Safety off switch: Load by load selectable
- Station Bus: 24V/36V Station Bus
- Station Bus specification: 2C 16AWG, non-shield, <30pF per foot - Station Bus should be separated a minimum of 12" from other parallel communication and/or high-voltage runs
- Station equivalent: 0.36W on IC-24 / 0.54W on IC-36
- Station wiring configuration: Daisy-chain/star/branch
- Status indicator: Microprocessor status LED
- UL and cUL listed: Yes
- System compatibility: InFusion

Incandescent Loads

- | | |
|---|--------------------|
| • Max load for 1-gang stations (one gang) | 5.8A (700W @ 120V) |
| • Max load for 2-gang stations (each gang) | 5A (600W @ 120V) |
| • Max load for 3-4-gang stations (end gangs) | 5A (600W @ 120V) |
| • Max load for 3-4-gang stations (middle gangs) | 4.2A (500W @ 120V) |

LED Loads in Reverse-Phase Mode (see LED Dimming)

- | | |
|---|--------------------|
| • Max LED load for 1-gang stations (one gang) | 3.5A (420W @ 120V) |
| • Max LED load for 2-gang stations (each gang) | 3A (360W @ 120V) |
| • Max load for 3-4-gang stations (end gangs) | 3A (360W @ 120V) |
| • Max load for 3-4-gang stations (middle gangs) | 2.5A (300W @ 120V) |

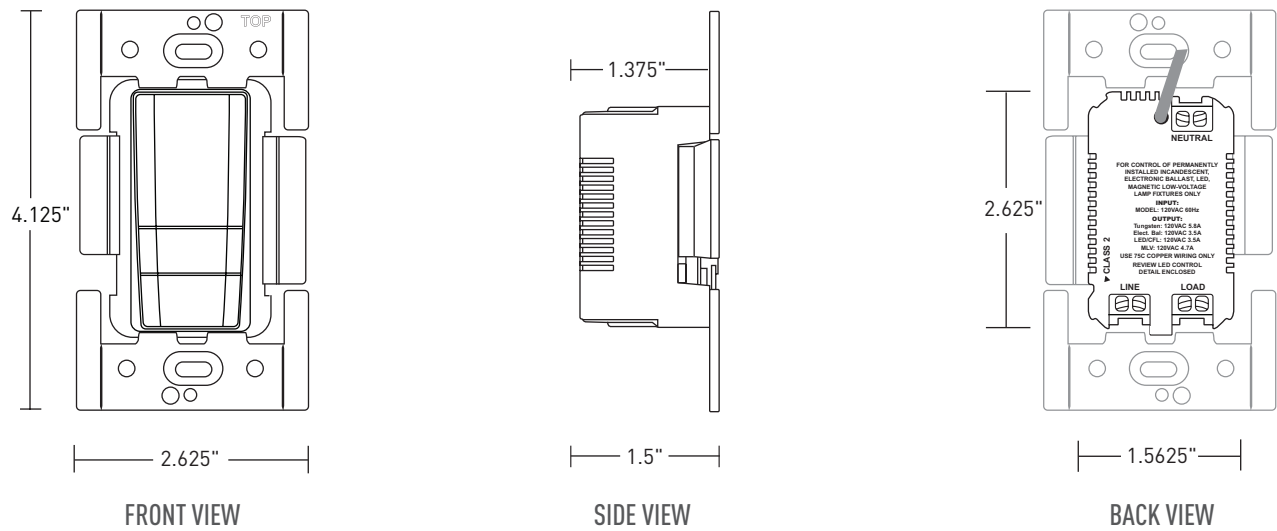
LED Loads in Forward-Phase Mode

- | |
|--------------------|
| 1A (120W @ 120V) |
| 0.8A (100W @ 120V) |
| 0.8A (100W @ 120V) |
| 0.65A (80W @ 120V) |

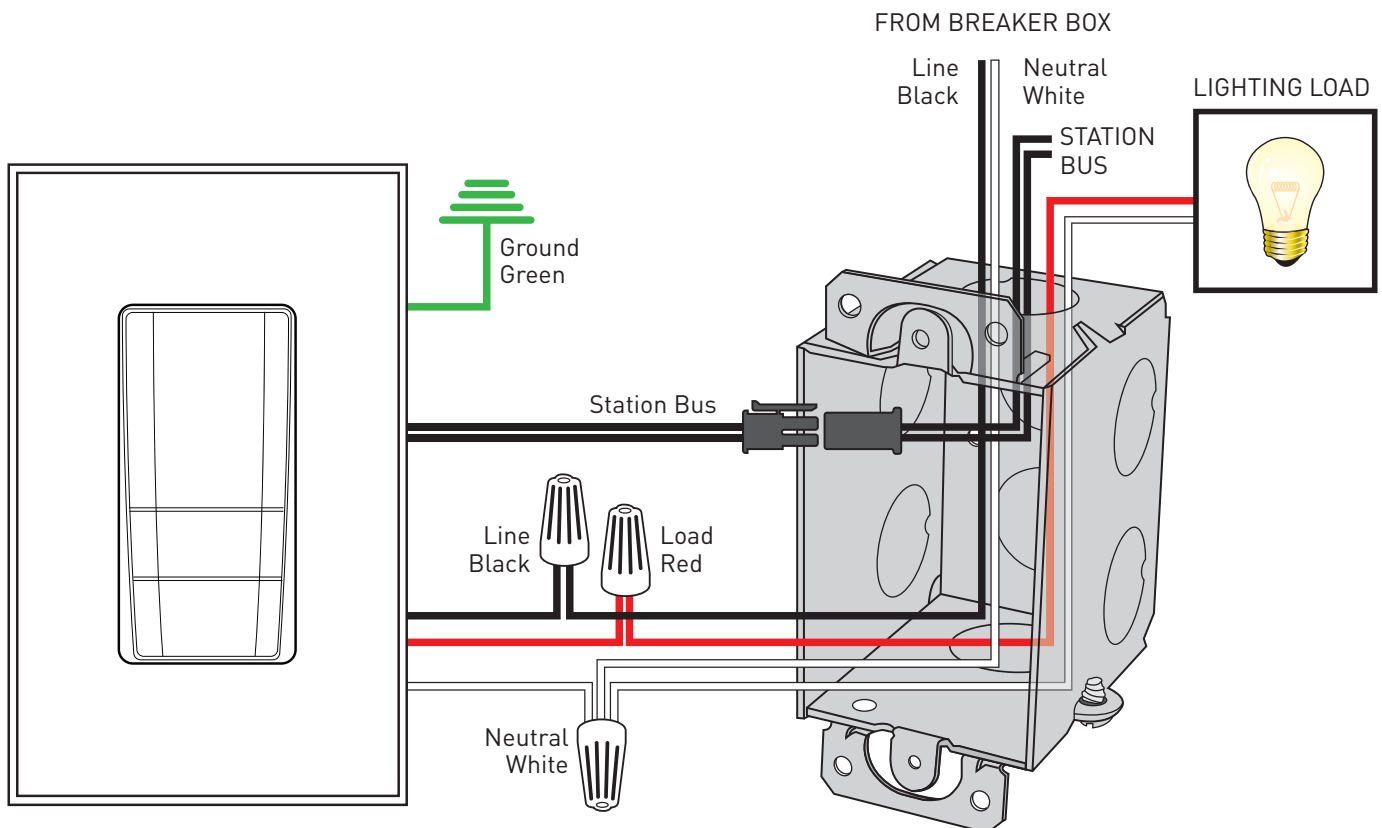
Transformer Magnetic Loads

- | | |
|---|--------------------|
| • Max magnetic load for 1-gang stations (one gang) | 4.7A (560W @ 120V) |
| • Max magnetic load for 2-gang stations (each gang) | 4A (480W @ 120V) |
| • Max magnetic load for 3-4-gang stations (end gangs) | 4A (480W @ 120V) |
| • Max magnetic load for 3-4-gang stations (middle inside gangs) | 3.3A (400W @ 120V) |

Multi-View Drawing



Installation and Wiring



LED Dimming

Legrand is leading the way in LED lighting control through innovations of new hardware and software products; however, industry standards are still undefined for dimming LED lamps and fixtures. Dimming performance of LED lighting cannot be guaranteed, even when applying the correct dimming technology specified by the LED manufacturer. While Legrand may be consulted when performance issues are present, Legrand will not be liable for on-site performance issues.

- Check Legrand's online library of LED product test reports prior to installing LED products to be dimmed by Legrand dimmers
- We offer on-demand product testing of untested LED products
 - Please visit our testing web page for more information <http://dealer.vantagecontrols.com/led/>
- Selecting a tested product greatly increases the likelihood of successful dimming. However, LED product tests are performed under laboratory conditions with a set number of samples and a quality power source. Please use contact information at <http://dealer.vantagecontrols.com/led/> for details regarding this service.
- There are many factors that may contribute to unsatisfactory results within a specific installation, including, but not limited to,
 - Line noise originating from electrical equipment within the premises
 - Line noise from the source (particularly with local generators or inverters)
 - Interference between dimmed LED products
 - Wiring conditions (i.e., shared neutrals, loose neutrals, incorrectly bonded neutral, or grounding issues), and
 - LED product variances including:
 - Unintended batch-related variances
 - Product revisions

EasyTouch II Configurations

Keypad Station

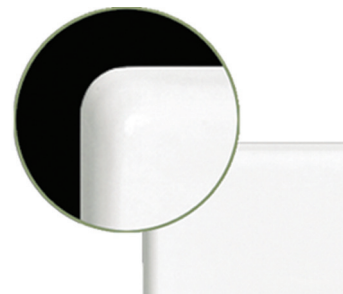


EasyTouch II Keypad Station

Faceplate Styles



TrimLine



SoftLine

EasyTouch II Button Style - Configurations



EasyTouch II 1 Button



EasyTouch II 2 Button



EasyTouch II 3 Button



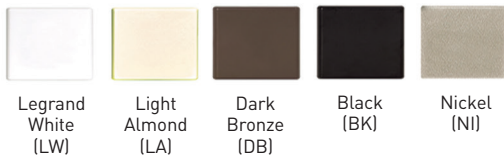
EasyTouch II 4 Button



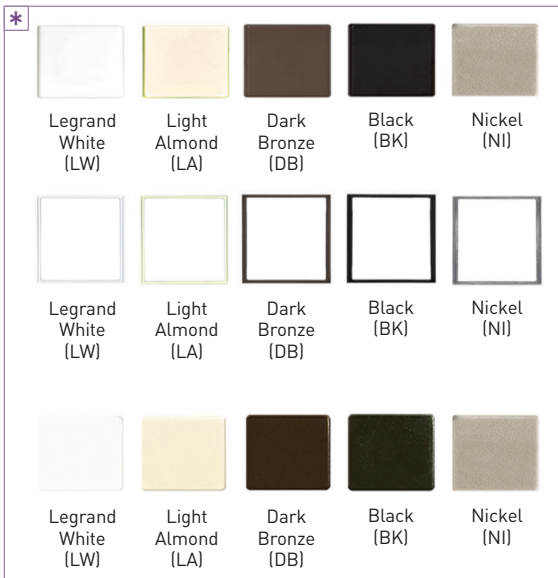
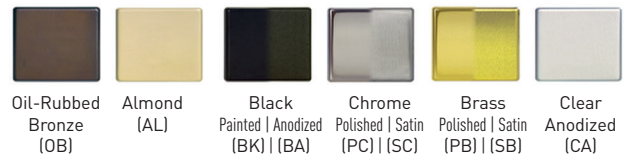
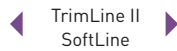
EasyTouch II 5 Button

Standard Finish Options (*use Quote Configuration Tool)

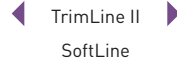
Custom Finish Options (extended lead time)



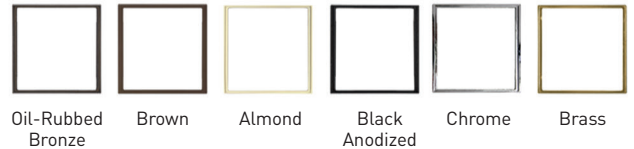
Metal Faceplates



Plastic Faceplates



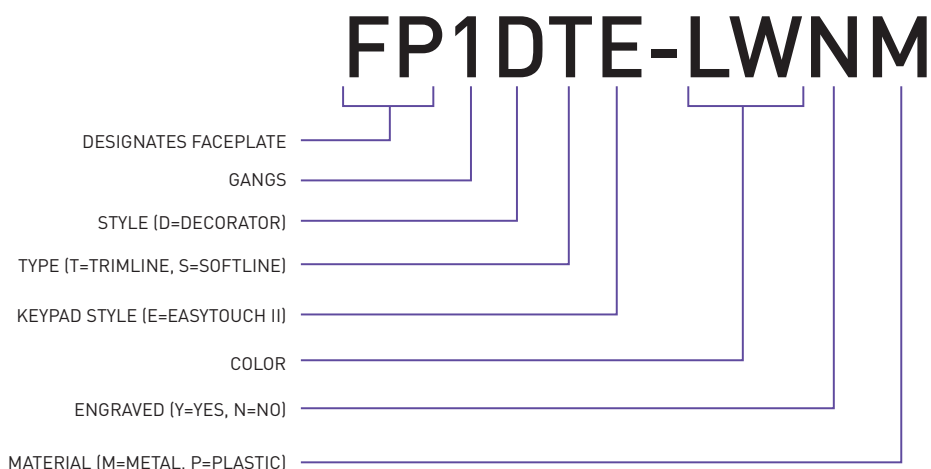
Trims



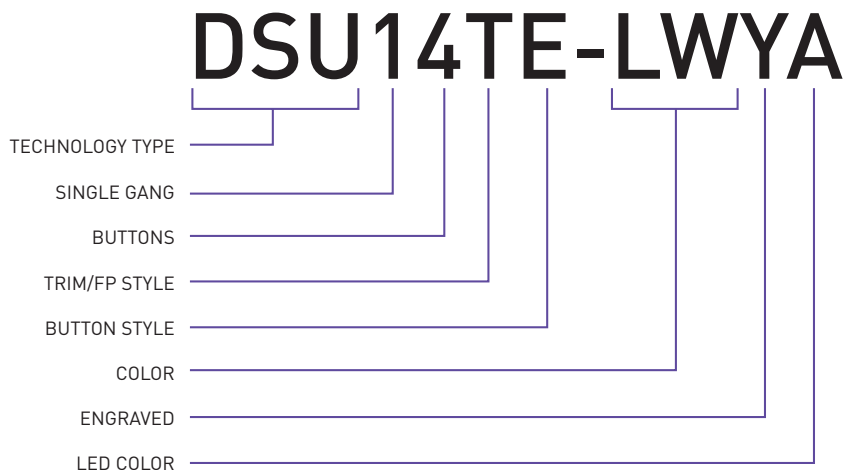
Buttons



Faceplate Ordering Key



Station Ordering Key



Technology Type		Button Configuration	Trim/Faceplate Style	Button Style	Button and Faceplate Color	Engraved?	LED Status Color
<input type="checkbox"/>	KS = Keypad Station	1 = 1 Button	T = TrimLine	E = EasyTouch II	LW = Legrand White	Y = Yes	A = Tri-Color "ALL"
<input type="checkbox"/>	DSU = WireLink Dimmer	2 = 2 Button	X = No trim (use standard decorator plates)		BK = Black	N = No	
<input type="checkbox"/>	RDU = RadioLink Dimmer	3 = 3 Button	P = Plastic		LA = Light Almond		
<input type="checkbox"/>	SR = WireLink Relay	4 = 4 Button			DB = Dark Bronze		
<input type="checkbox"/>	RR = RadioLink Relay	5 = 5 Button			NI = Nickel		
<input type="checkbox"/>	SDR = WireLink Dual Relay						
<input type="checkbox"/>	RDR = RadioLink Dual Relay						

Ordering Information

Catalog #	Description	Voltage
<input type="checkbox"/> DSU1xxE-xxxx	EasyTouch II WireLink ScenePoint Universal Dimmer and Keypad Station	120V 60/50 Hz