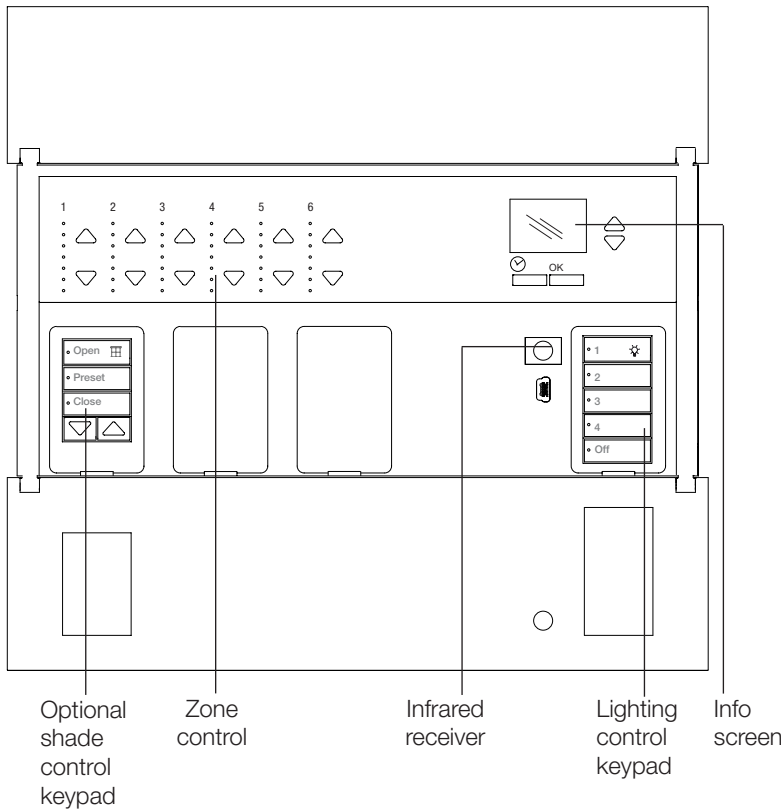
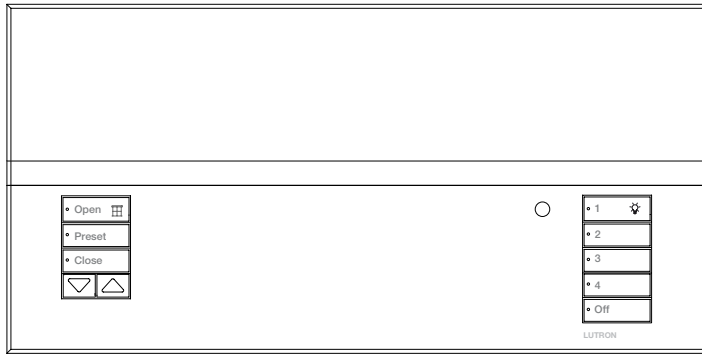


GRAFIK Eye® QS Control Unit



Description

- Provides pushbutton recall of four preset lighting scenes, plus Off.
- Offers optional integrated shade control buttons, which can be added to the unit after installation.
- Includes master override buttons to temporarily raise and lower all lights.
- Allows setup of lighting scenes and shade presets using buttons on the control unit.
- Controls many light source types directly and others using power interfaces.
- Provides individual control of light sources.
- Includes built-in infrared receiver.
- Includes external IR connection.
- Includes built-in astronomic timeclock.
- Provides info screen for zone light level percentage, energy savings, zone labeling, accessing additional scenes, programming, and timeclock scheduling.
- Info screen is language-selectable.
- Provides lockout options to prevent accidental changes.
- Includes one occupant sensor input and 24 V_{AC} power for occupant sensors or other building management systems.
- Includes communication link for seamless integration of lights, motorized window treatments, and control stations.
- Backlit buttons with optional engraving make unit easy to find and to operate.
- Available in a variety of colors and finishes to match any decor.
- Compatible with all Lutron QS system components.

Note: General Engraving (-EGN) shown.

Job Name: <input type="text"/>	Model Numbers: <input type="text"/>
Job Number: <input type="text"/>	<input type="text"/>

Specifications

Input Power

- 120 V \sim 50/60 Hz.
- Lightning strike protection meets ANSI/IEEE standard 62.41-1980. Can withstand voltage surges of up to 6000 V \sim and current surges of up to 3000 A.

Lighting Sources/Load Types

Controls the following lighting sources with a smooth, continuous square law dimming curve or on a full conduction non-dim basis:

- Incandescent.
- Magnetic low-voltage transformer.
- Lutron Tu-Wire® electronic fluorescent dimming ballast.
- Neon and cold cathode.
- Non-dim.

Controls the following lighting sources with a smooth, continuous square law dimming curve through separate power interfaces:

- Electronic low-voltage transformer.
- Lutron Hi-Lume® and Eco-10™ electronic fluorescent dimming ballast.

Key Design Features

- Meets IEC 801-2. Tested to withstand 15 kV electrostatic discharge without damage or memory loss.
- Compensates in real time for incoming line voltage variations (no visible flicker with +/-2% change in RMS voltage per cycle, and +/-2% Hz change in frequency per second).
- 10-year power failure memory automatically restores lighting to the scene selected prior to power interruption, and stores timeclock and scene programming.
- Faceplate is hinged top and bottom and stays open at 180° for ease of access.

Environment

- 32-104 °F (0-40 °C).
- Relative humidity less than 90% non-condensing.

Standards

- UL listed.
- CSA.
- NOM.

Scene and Shade Buttons

- Large, rounded buttons are easy to use.
- Backlit buttons with optional engraving make it easy to find and to operate the control unit in low light conditions.
- Optional button engraving is angled up to the eye for easy reading.
- Predefined label stickers are included for field labeling.

Preset Light and Shade Control

- 4 preset lighting scenes, plus Off, are accessible from the front of the control unit.
- 12 additional scenes are stored in the control unit. These are accessible via the info screen or via other control stations.
- Light levels fade smoothly between scenes. Fade time can be set differently for each scene: 0 to 59 seconds, or 1 to 60 minutes. Fade time from Off is capped at 5 seconds.
- Open, preset, and close shade buttons. Raise and lower is also available for each shade column. Each shade column can be programmed to operate one shade or multiple shades (a group of shades).

Zone Control

- Each zone has a dedicated raise and lower button to adjust the zone.
- Each zone has a dedicated 7 LED bar graph for level status. Light % and energy saved % is displayed on the info screen.
- All zone information has blue backlit LEDs. Backlight is programmable to Off.
- 4 preset scenes can be programmed as zone toggles. Zones to toggle are fully programmable to integral and external zones.

Info Screen

- Screen is viewable from all angles.
- Programmable zone labels.
- Programmable scene labels.
- Status of real-time zone percentage and energy savings.
- Programmable timeclock schedules.

Job Name: <input style="width: 90%;" type="text"/>	Model Numbers: <input style="width: 95%;" type="text"/>
Job Number: <input style="width: 90%;" type="text"/>	<input style="width: 95%;" type="text"/>

Specifications

Astronomic Timeclock

- Integral to all units.
- 7 daily schedules available.
- Holiday schedules are programmable by date up to one year in advance.
- 25 events per day available.
- Astronomic times are programmable by integral city database or by entering latitude and longitude. Times automatically adjust throughout the year based on location.
- Automatically adjusts for Daylight Saving Time, adjusted for the new 2007 dates.
- California Energy Commission, complies with Title 24.

System Communications and Capacities

- Low-voltage type PELV (Class 2: USA) wiring connects control units, wallstations, motorized shades, and control interfaces.
- A QS system can have up to 100 devices and 100 zones (see table at right).

Infrared

- Infrared receiver allows infrared transmitters to select 8 scenes, raise/lower lighting zones, or raise/lower shades.
- Transmitter buttons imitate buttons on faceplate.
- 50 ft. (15 m) line of sight range.
- Terminal block infrared input for direct contact with external IR connection.
- IR can be disabled via programming.






Accessory Controls

- *SeeTouch* QS controls can be added to the control link.
- Each *GRAFIK Eye* QS can power up to 3 *SeeTouch* QS controls.
- Works with Lutron GRX-IT and GRX-8IT infrared remote controllers.

Occupant Sensor Connection

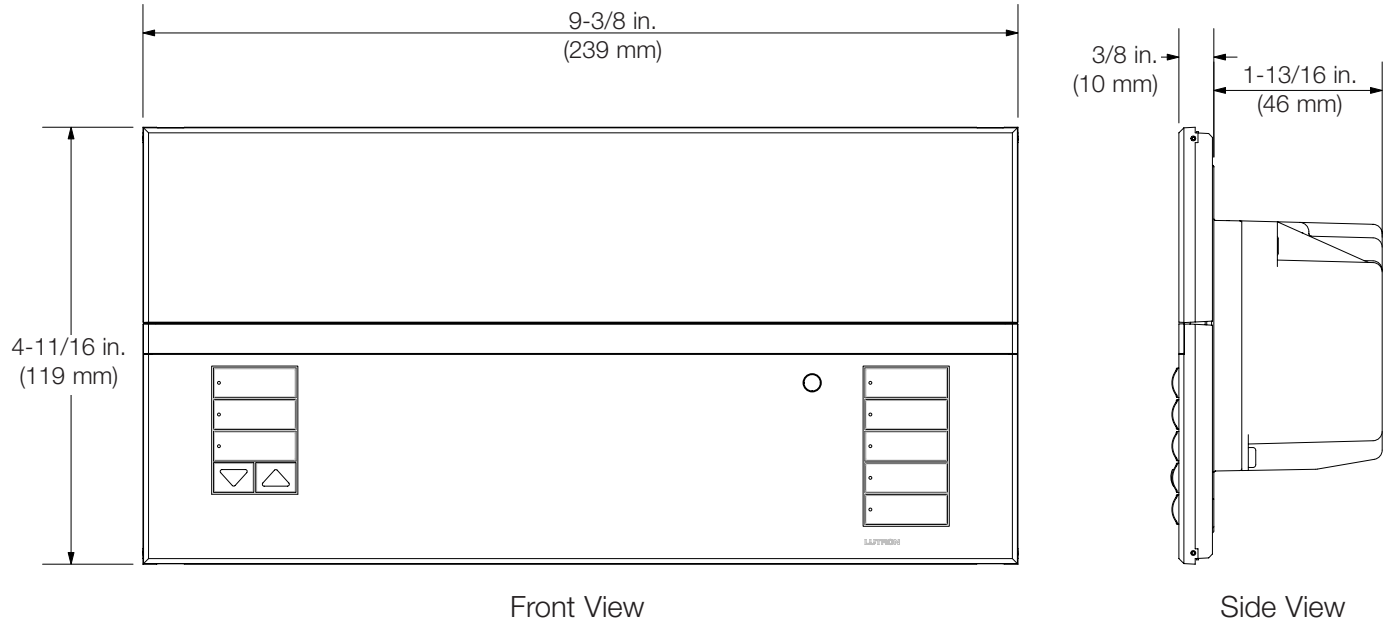
- Control unit supplies power for and receives a control signal back from one occupant sensor.
- One contact closure input can be programmed to select a scene on the contact closing, opening, or both. No power pack required.
- Power Supply Output (Terminal B):
 - 24 V_{DC}, 50 mA maximum.
 - An auxiliary power supply must be used if the device requires more than 50 mA.
- Occupant Sensor Signal Input (Terminal A):
 - The occupant sensor must provide a dry contact closure or solid-state output.
- Control unit is miswire-protected up to 36 V_{AC}.

System Limits

	QS Device	Zone Count	Device Count
	3-zone QS	3	1
	4-zone QS	4	1
	6-zone QS	6	1
	<i>seeTouch</i> QS	0	1
	<i>Sivoia</i> QS	1	1

Job Name: <input type="text"/>	Model Numbers: <input type="text"/>	
Job Number: <input type="text"/>	<input type="text"/>	<input type="text"/>

Mechanical Dimensions



Fits into a 4-gang U.S. backbox, 3.5 in. (89 mm) deep; Lutron P/N 241-400

Job Name: <input style="width: 90%; height: 20px;" type="text"/>	Model Numbers: <input style="width: 95%; height: 20px;" type="text"/>
Job Number: <input style="width: 90%; height: 20px;" type="text"/>	<input style="width: 95%; height: 20px;" type="text"/>