GRAFIK Eye 4000 Series Control Unit

Cover (shown open)

Base   Zone   Infrared Receiver

Scene
Selection
Buttons

Description

- Provides pushbutton recall of four preset lighting scenes, plus Off.
- Allows setup of lighting scenes using buttons on the Control Unit.
- Controls virtually any light source via dimming and switching panels.
- Provides lockout options to prevent accidental changes.
- Includes built-in infrared receiver for operation with an optional remote control.

Models available to:

- Control 2 to 24 zones of lighting.

4000 Series Control Units work with:

- GRAFIK Eye Wallstations
- GP and LP Dimming Panels
- XP Softswitch™ Panels

GRX-4100 Control Units

Provide setup using buttons on the Control Unit.

GRX-4500 Control Units

Provide optional setup using a PC, including setting lighting levels in 1% increments.

Job Name:	Model Numbers:
Job Number:	

Specifications

Power

- Low-voltage type Class 2 (PELV)
  Operating voltage: 24 V Direct Current.

Lighting Sources/Load Types

Controls lighting sources with a smooth, continuous Square Law dimming curve or on a full conduction non-dim basis via GP and LP Dimming Panels and XP Softswitch™ Panels.

Preset Control

- 4 preset lighting scenes and off are accessible from the Control Unit front panel.
- 12 additional scenes are stored in the Control Unit. These scenes are accessible via Wallstations and/or Control Interfaces.
- Light levels fade smoothly between scenes. Fade time can be set differently for each scene, between 0-59 sec. or 1-60 min. Fade time from Off is capped at 5 sec.

Key Design Features

- Meets IEC 801-2. Tested to withstand 15kV electrostatic discharge without damage or memory loss.
- Power failure memory automatically restores lighting to the scene selected prior to power interruption.
- Faceplate snaps on with no visible means of attachment.

System Communications and Capacities

- Low-voltage type Class 2 (PELV) wiring connects Control Units, Wallstations, and Control Interfaces.
- Up to 8 Control Units may be linked to control up to 64 zones.
- Up to 16 total Wallstations and Control Interfaces may be added for a total of 24 control points.

Environment

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

Job Name:	Model Numbers:
Job Number:	

How to Build a Model Number

G R X - 4 5 0 6 - T - W H

- Prefix
- Set-Up Method
- Number of Zones
- Cover Option
- Color Option
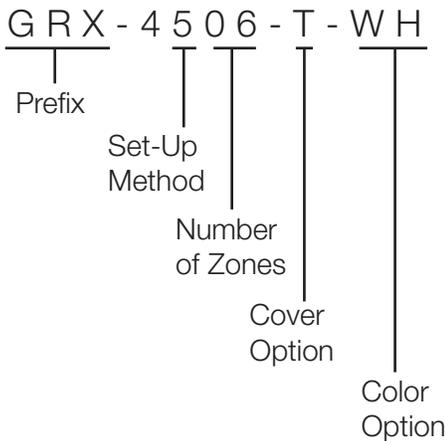
Prefix:

GRX for GRAFIK Eye 4000 Series Control Units

Set-Up Method:

1 for setup using front panel
5 for PC setup

Number of Zones:

2, 3, 4, 6, 8, 16, or 24

Cover Option:

A for Opaque
T for Translucent Black

Color Option:

See Color Options list

Model Numbers

Number of Zones	Standard Setup	PC Setup
2	GRX-4102-_-__	GRX-4502-_-__
3	GRX-4103-_-__	GRX-4503-_-__
4	GRX-4104-_-__	GRX-4504-_-__
6	GRX-4106-_-__	GRX-4506-_-__
8	GRX-4108-_-__	GRX-4508-_-__
16	GRX-4116-_-__	GRX-4516-_-__
24	GRX-4124-_-__	GRX-4524-_-__

Cover Options

Opaque   A
Cover and Base will match.

Translucent Black   T
Black Cover and choice of Base color.

Also available:
- Custom controls
- Color matching
- Engraving

These options ship in 4 to 6 weeks.

Color Options

Architectural Matte Finishes
Standard – Ship in 48 hours
Cover Option: A or T

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

Designer Gloss Finishes
Ship in 4 to 6 weeks
Cover Option: A only

White	GWH
Ivory	GIV
Light Almond	GLA
Almond	GAL

Satin Color Matte Finishes
Cover Option: A or T

Hot	HT
Ochre	OC
Terracotta	TC
Desert Stone	DS
Stone	ST
Limestone	LS
Blue Mist	BT
Midnight	MN
Taupe	TP
Biscuit	BI
Eggshell	ES
Snow	SW

Architectural Metal Finishes
Cover Option: T only

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 Finishes
Cover Option: T only

Clear	CLA
Black	BLA
Brass	BRA
Bronze	BZA

Job Name:	Model Numbers:
Job Number:	

Dimensions and Mounting

Model	Side View	A	B	C	Wallbox[1] U.S. Size	Depth
2-Zone: GRX-4102 GRX-4502		4 5/16" (123mm)	1 13/16" (46mm)	5.56" (141mm)	2 Gang	3.5" (89mm)
3-Zone: GRX-4103 GRX-4503		6 11/16" (168mm)	3 5/8" (92mm)	7.25" (184mm)	3 Gang	3.5" (89mm)
4-Zone: GRX-4104 GRX-4504		8 5/16" (208mm)	5 7/16" (138mm)	8.94" (227mm)	4 Gang	3.5" (89mm)
6-Zone: GRX-4106 GRX-4506		8 5/16" (208mm)	5 7/16" (138mm)	8.94" (227mm)	4 Gang	3.5" (89mm)
8-Zone: GRX-4108 GRX-4508		8 5/16" (208mm)	5 7/16" (138mm)	8.94" (227mm)	4 Gang	3.5" (89mm)
16-Zone: GRX-4116 GRX-4516		8 5/16" (208mm)	5 7/16" (138mm)	8.94" (227mm)	4 Gang	3.5" (89mm)
24-Zone: GRX-4124 GRX-4524		8 5/16" (208mm)	5 7/16" (138mm)	8.94" (227mm)	4 Gang	3.5" (89mm)

Side View dimensions: 5/16" (8 mm), 1 15/16" (49 mm), 4 9/16" (116 mm)

3 1/2" (89mm) wallbox depth recommended

3 5/16" (85mm)

A   B   C
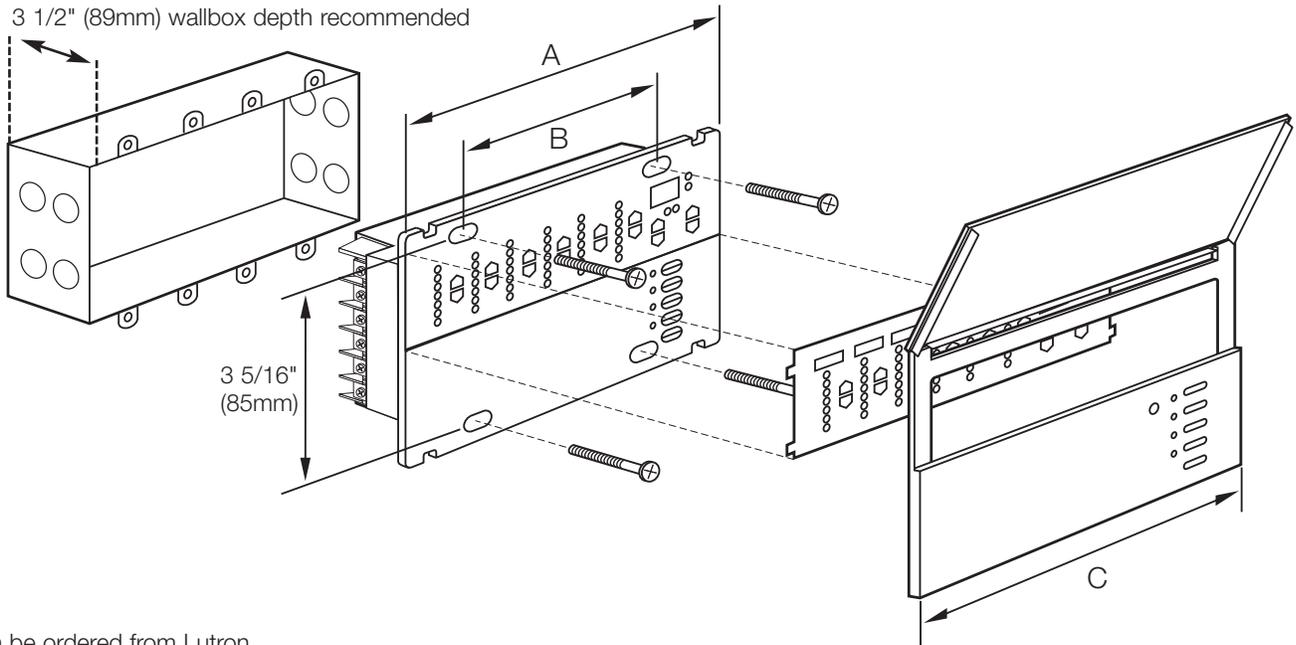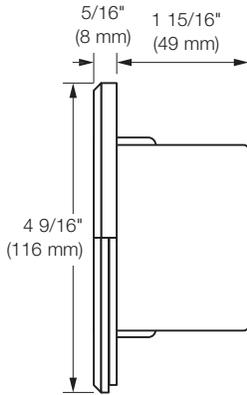
[1] Can be ordered from Lutron.

LUTRON SPECIFICATION SUBMITTAL   Page

Job Name:	Model Numbers:
Job Number:	

Low-Voltage Class 2 (PELV) Wiring (All Models)

- System communications use low-voltage Class 2 (PELV) wiring.
- Wiring must be daisy-chained.
- Wiring must run separately from line (mains) voltage.

Class 2 (PELV) wiring link requires:
Two #12 AWG (2.5mm^2) conductors for control power.
One twisted, shielded pair of #18 AWG (0.625mm^2) for data link.
One #18 AWG (1.0mm^2) conductor for Emergency (Essential) sense line between dimming panels.

Total length of Control Link may be up to 2,000 ft. (610m).
Approved low-voltage cable is available from Lutron[1], Belden, and Liberty. These are approved with #22 AWG data link wires.
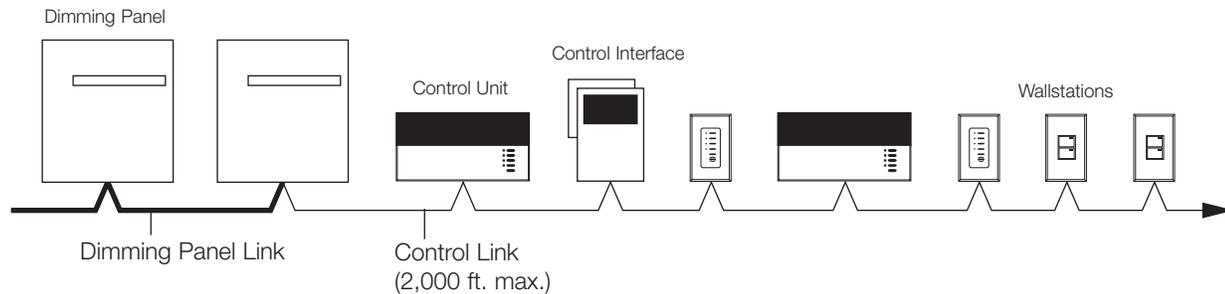

[1] GRX-CBL-46L Class 2 (PELV) wiring cable is available from Lutron and contains:
Two #12 AWG (2.5mm^2) conductors for control power.
One twisted, shielded pair of #22 AWG (0.625mm^2) for data link.
One #18 AWG (1.0mm^2) conductor for Emergency (Essential) sense line.

Job Name:	Model Numbers:
Job Number:	

Class 2 (PELV) Terminal Connections

• Connect Drain/Shield as shown. Terminate only at Power Panel if Drain Terminal is provided. Connect the bare drain wires and cut off the outside shield.

• Make all connections in the Control Unit's wallbox. Remote connections (T-taps) must be in a switch box or junction box with a maximum wire length of 8 ft. (2.5m) from the link to the connected unit.

Job Name:	Model Numbers:
Job Number:	