

Overview

If Lutron GRAFIK Eye Controls (i.e., GRAFIK Eye 3000 Series Control Units, NGRX-PB, GRX-ELVI, GRX-FDBI, etc.) are mounted close to one another or in an electrical enclosure, care must be taken for proper ventilation. Heat being generated by Lutron products and other equipment in the enclosure will raise the ambient temperature. To ensure proper operation, the following guidelines **MUST** be followed.

Ambient temperature of air surrounding the units must never exceed 40°C (104°F) under worst-case conditions. Air flow must be adequate to maintain ambient temperature within this limit. Minimum spacing between units is required to prevent overheating (see diagrams below). If necessary, ventilate electrical enclosures to provide proper air flow.

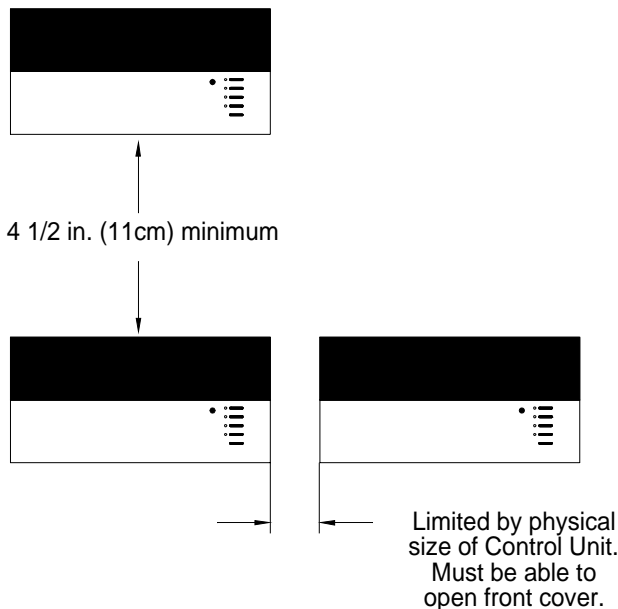
Wallbox Mounting

Spacing of GRAFIK Eye Controls

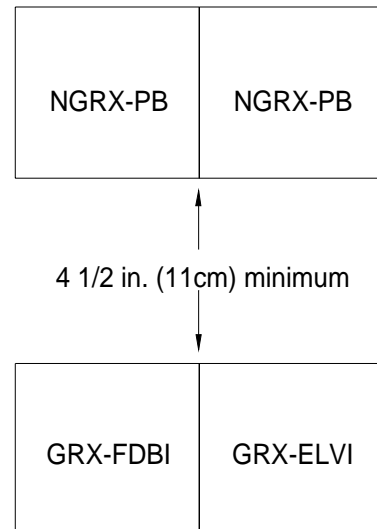
When mounting multiple GRAFIK Eye 3000 Series Control Units near each other, the following spacing and ventilation guidelines are required for proper operation.

- All GRAFIK Eye 3000 Series Control Units **MUST** be mounted in a standard U.S. Wallbox. These are available from Lutron.
 1. For **Two-zone** Control Units, Power Boosters, Fluorescent Interfaces and Electronic Low-voltage Interfaces, use **two P/N 241-519** Single-gang Wallboxes.
 2. For **Three-zone** Control Units use **three P/N 241-519** Single-gang Wallboxes.
 3. For **Four-zone** Control Units use **one P/N 241-400** Four-gang Wallbox.
- All GRAFIK Eye 3000 Series Control Units, Power Boosters, Fluorescent Interfaces and Electronic Low-Voltage Interfaces **MUST** have a minimum of 4 1/2 in. (11cm) of spacing above and below the Control Unit or Interface to dissipate the heat caused by normal operation.

GRAFIK Eye Control Unit Mounting

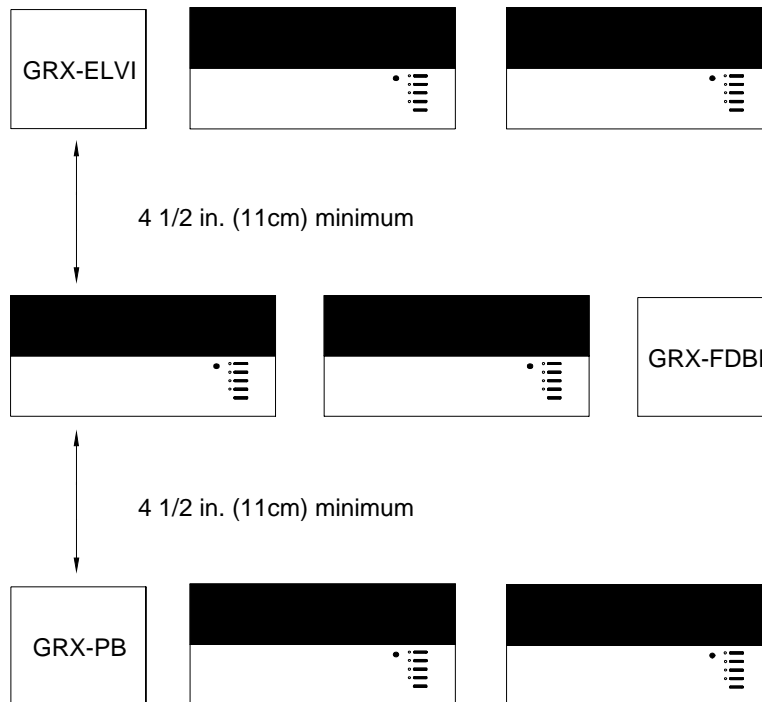


Interface Unit Mounting



* Applies to Lines/Mains voltage products only; Class 2/PELV Accessory Controls are not subject to these restrictions.

GRAFIK Eye Control Unit and Interface Mounting



Panel Mounting

Guidelines for Mounting GRAFIK Eye Controls in an Enclosure

- The enclosure must be in accordance with local electrical codes.
- Lutron does not recommend using a door to enclose the front of a panel because this restricts airflow to the GRAFIK Eye 3000 Series Control Units and Interface Devices.
- If mounting multiple GRAFIK Eye 3000 Series Control Units or Interface Devices in an enclosure:
 1. Ambient temperature within the enclosure **MUST remain between 0°-40° Celsius (32°-104° Fahrenheit).**
 2. If not mounting in a metal enclosure, all units **MUST** be mounted in a wallbox. Refer to the Wallbox Mounting section on the first page.
- To improve heat dissipation of Interface Devices (i.e., NGRX-PB, GRX-ELVI, etc.) remove the faceplate from the unit.

IMPORTANT NOTE:

GRAFIK Eye 3000 Series Control Units and Interface Devices such as NGRX-PB dissipate heat when operating. Obstruction of these units (such as mounting them within a closed panel) may cause malfunction to both the GRAFIK Eye 3000 Series Control Unit and the Interface Product if ambient temperature does not remain **between 0°-40° Celsius (32°-104° Fahrenheit).**

NOTE: Damage caused by operating these products outside of the specified parameters is not covered by the warranty.

Additional Information

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