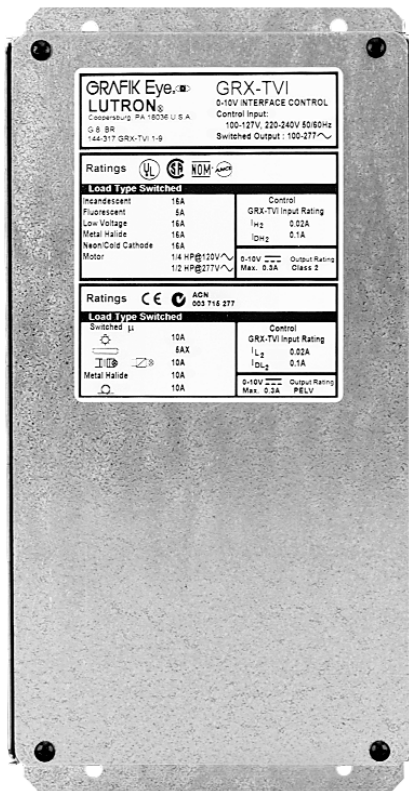


GRX-TVI Ten Volt Interface



Description

- Provides capability for a GRAFIK Eye 3000 Series Control Unit to switch and dim fluorescent lights that have Lutron Eco-10™ (TVE Series) Electronic Dimming Ballasts.
- Switches and dims any 0-10V electronic fluorescent dimming ballast powered by 100-277V (ballast must provide 0-10V source). Switches up to 16A of electronic capacitive fluorescent ballasts.
- Switches motors up to 1/4HP @ 100-127V, 1/2HP @ 200-277V.
- Up to five Ten Volt Interfaces may be connected to one Control Unit zone. This allows one zone to control up to five 16A circuits of Eco-10™ (TVE Series) Electronic Dimming Ballasts or five motors.
- Provides 100-277V power to loads.
- Requires 100-127V or 200-240V power for internal operations.

Job Name:	Model Numbers:
Job Number:	

Specifications

Power

- Load (output) power: 100-277V.
Phase independent of lighting control.

O-10V Dimming Control

Output rating: 10µA-300mA. Sinks current only.

Zone Capacity

Up to five Ten Volt Interfaces per Control Unit zone.

Key Design Features

- Complies with Standard UL 508.
- Provides a Class 2 isolated 0-10V output signal that conforms to EN60929 and IEC929.
- Accepts a phase control signal (100-127V or 200-240V; 50/60Hz).

Terminals

Accept up to two #12 AWG (2.5mm²) conductors.

Physical Design

- Wall-mounted. Indoor use only. Type 1 enclosure.
- Weight: 4.25 lbs. (2kg).

Environment

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

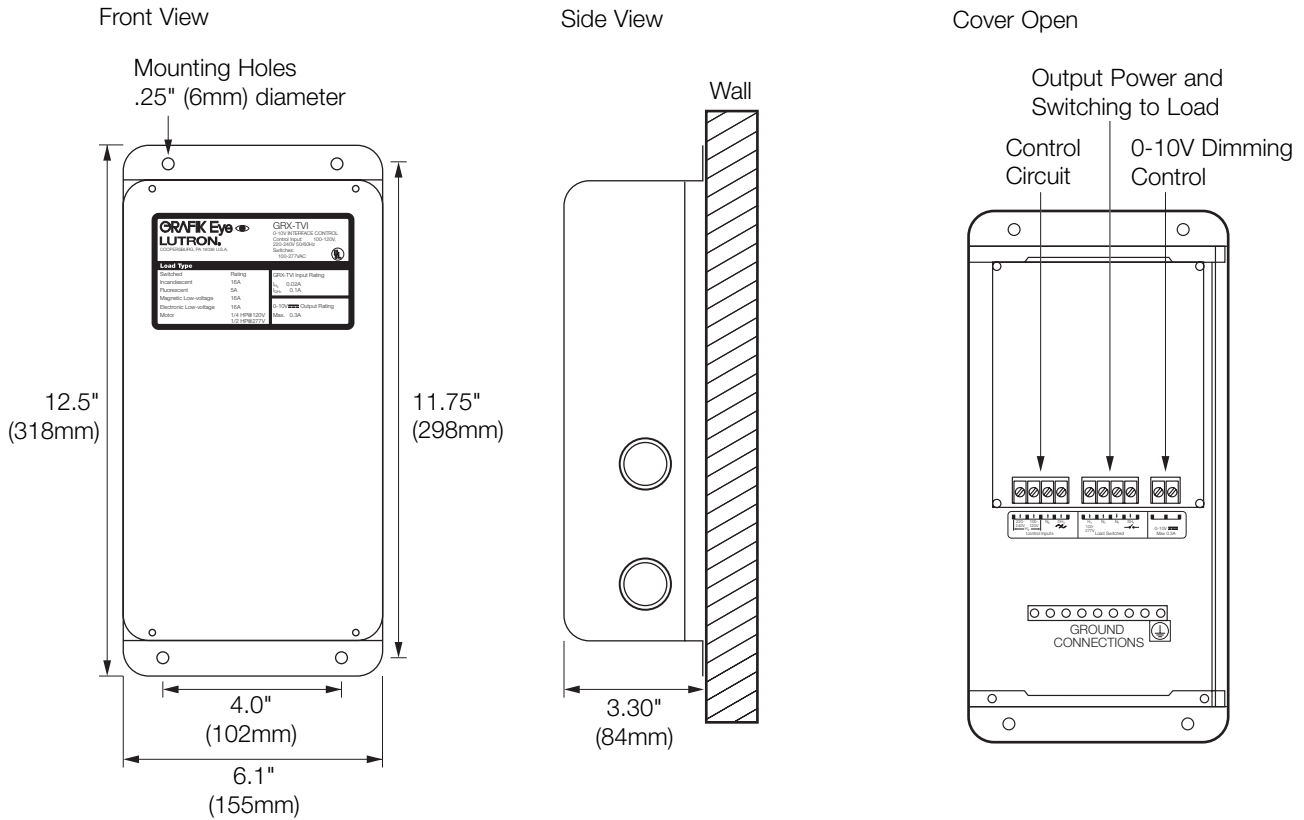
Switching Load Types and Capacities

Source/Load Type	100-127V 200-277V	230V (CE)
Fluorescent		
• Lutron Eco-10™ (TVE Series)	16A	--
• Electronic Capacitive Non-Dim	16A	16A
• Other Manufacturers' 0-10V Ballasts	16A	16A
Incandescent	16A	16A
Low-Voltage	16A	16A
Metal Halide	16A	16A
Neon/Cold Cathode	16A	16A
Motor	1/4 HP@ 100-120V 1/2 HP @ 200-277V	

Job Name:	Model Numbers:
Job Number:	

Dimensions And Mounting

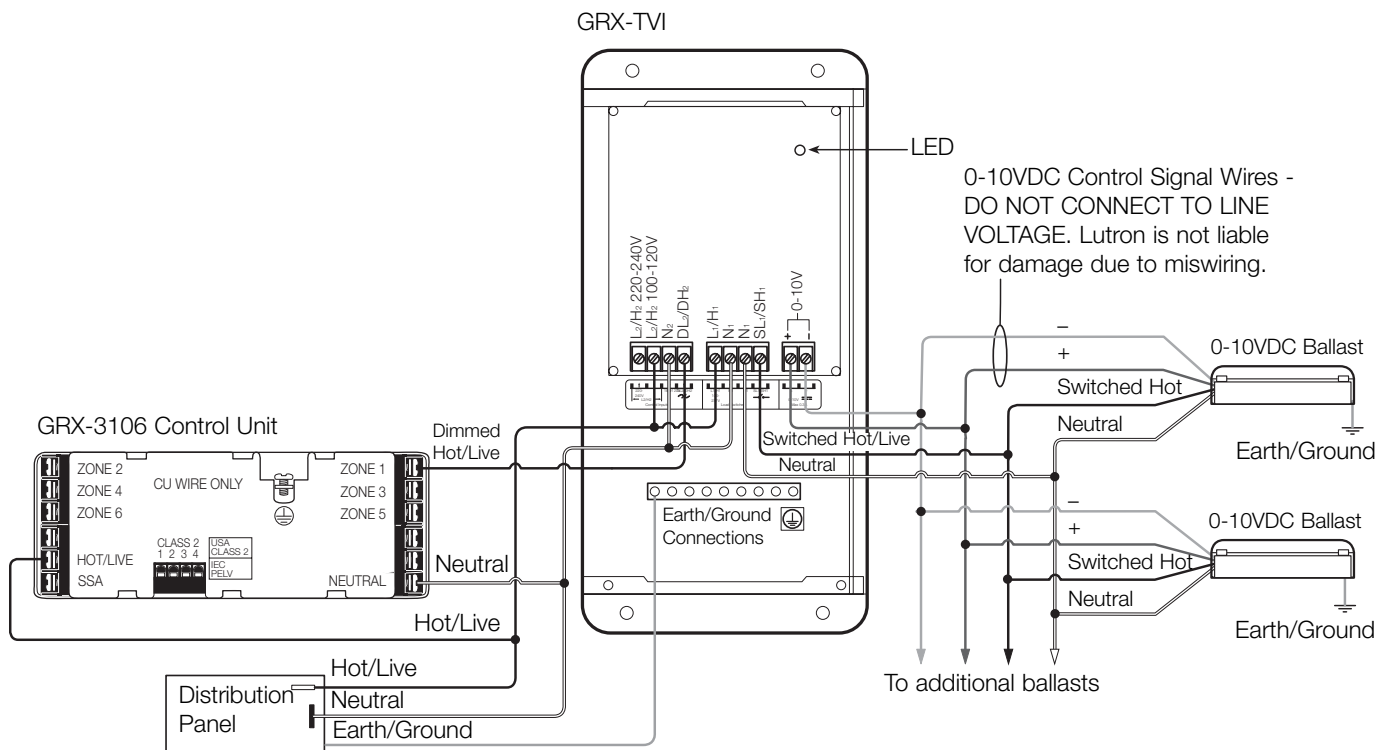
- Mount only where ambient temperature is 32-104°F (0-40°C).
- Allow 4.5" (114mm) between Interfaces when mounting several in a vertical layout.
- Mount so that line (mains) voltage wiring is at least 6 feet (1.8m) from sound or electronic equipment and wiring.
- Mount within 7° of true vertical.



Job Name: Job Number:	Model Numbers:
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Wiring From One Distribution Panel or Circuit Breaker (100-240V Only)

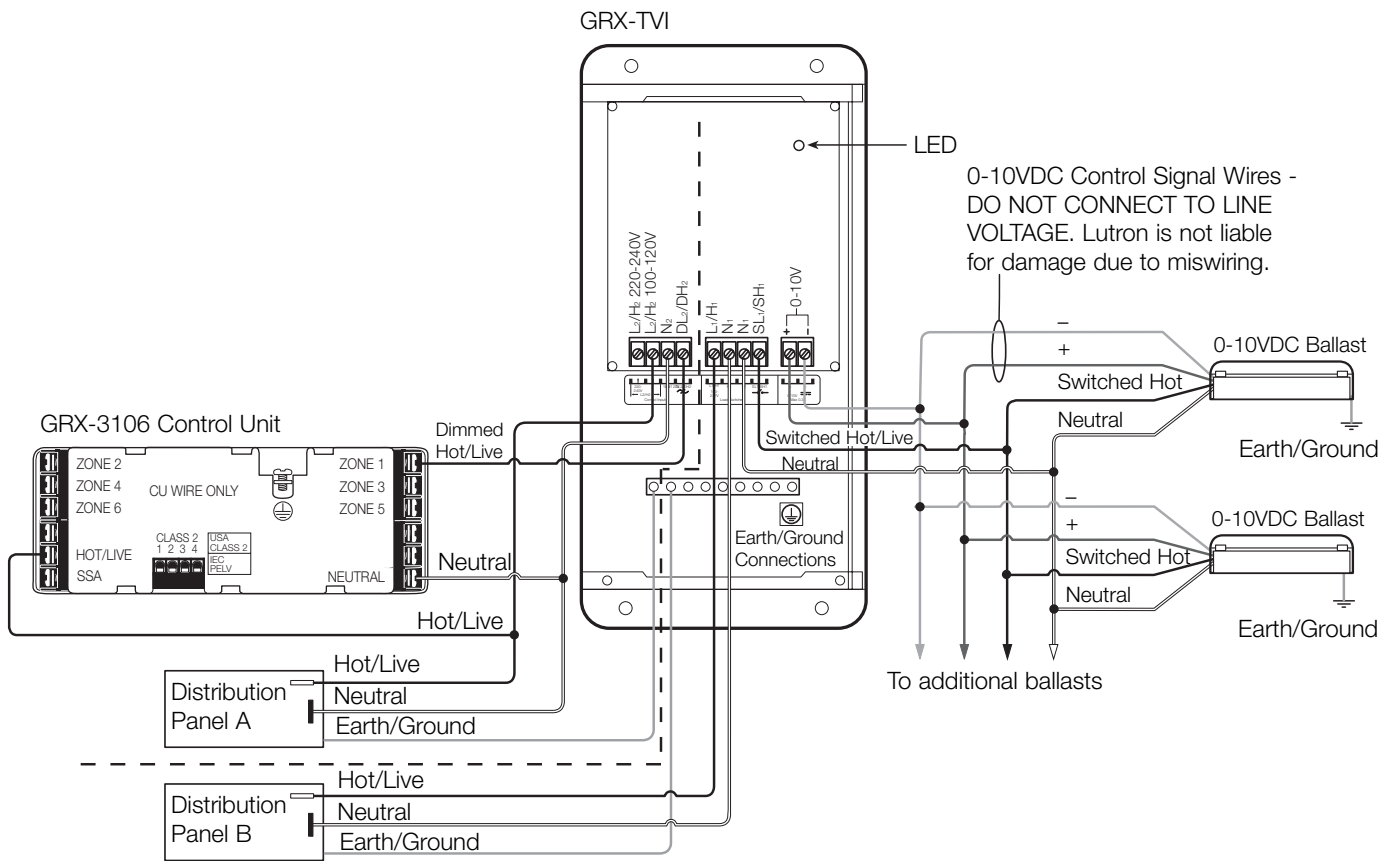
- Each terminal can accept up to two #12 AWG (2.5mm²) conductors.
- L1/H1 is the Live/Hot feed to power the load.
- L2/H2 (on the control circuit terminals) supplies operating power for the Ten Volt Interface.
- Choose the correct L2/H2 terminal for your operating power.
 - Leave one terminal empty - do not use both.
 - Do not connect 277V to either L2/H2 terminal.
 - Make sure L2/H2 is on the same phase as DL2/DH2 (Dimmed Live/Dimmed Hot) from the lighting control.
- Run separate neutrals for load circuit - no common neutrals.



Job Name:	Model Numbers:
Job Number:	

Wiring From Two Distribution Panels or Circuit Breakers

- Each terminal can accept up to two #12 AWG (2.5mm²) conductors.
- L1/H1 is the Live/Hot feed to power the load.
- L2/H2 (on the control circuit terminals) supplies operating power for the Ten Volt Interface.
- Choose the correct L2/H2 terminal for your operating power.
 - Leave one terminal empty - do not use both.
 - Do not connect 277V to either L2/H2 terminal.
 - Make sure L2/H2 is on the same phase as DL2/DH2 (Dimmed Live/Dimmed Hot) from the lighting control.
- Run separate neutrals for load circuit - no common neutrals.
- Panels can have different phases and/or voltages.



Job Name:	Model Numbers:
Job Number:	