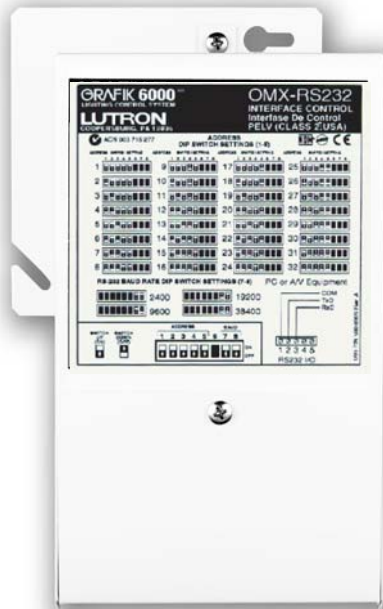


OMX-RS232 Control Interface



Description

- Integrates GRAFIK 5000/6000/7000 Systems with a touchscreen or other digital equipment that supports RS232 communication.
- Provides RS232 monitoring commands that allow a touchscreen to query GRAFIK Systems to:
 - Determine which scene is selected.
 - Keep track of buttons pressed.
- Provides RS232 control commands that allow a touchscreen to operate GRAFIK Systems to:
 - Select or sequence lighting scenes.
 - Raise or Lower one or more zones.
 - Lock lighting controls.
 - Activate panic mode (lights go to full on).
- Functionality is setup via the GRAFIK System Processor Panel.
- May be custom configured for other functions.

Job Name: Job Number:	Model Numbers:
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Specifications

Power

Low-voltage Class 2 (PELV).
 Operating Voltage: 32 V Direct Current.

Basic RS232 Command Set

Monitoring: Scene selection and scene status updates.
 Control: Scene selection, scene lockout, sequencing, zone lockout, zone raise/lower.

System Communications and Capacity

- Low-voltage Class 2 (PELV) wiring connects OMX-RS232 Interface to Processor Panel.
- Multiple OMX-RS232 Control Interfaces may be used.
- 50 ft. (15m) maximum from OMX-RS232 Interface to PC or other RS232 source.

Environment

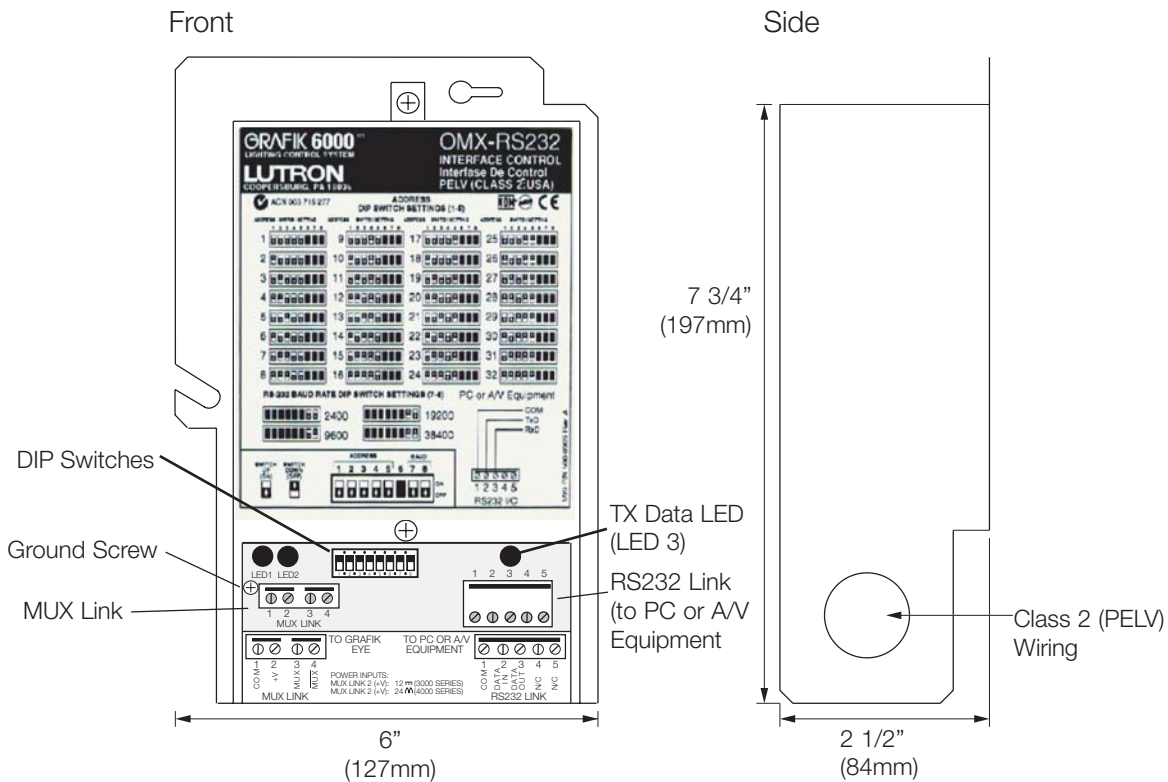
32-104°F (0-40°C). Relative humidity less than 90% non-condensing.

Functions

Function	When Activated	When Otherwise
Zone Lock Retain	If power goes out, locked zones stay locked when power returns.	Power cycling unlocks locked zones.
Scene Lock Retain	If power goes out, locked scenes stay locked when power returns.	Power cycling unlocks locked scenes.
Sequence Retain	If power goes out, sequencing resumes when power returns.	Power cycling stops sequencing.
Sequencing Scene Range	Sequencing loops through scenes 5 to 16.	Sequencing loops through scenes 1 to 4.
Multiple OMX-RS232 Addresses	DIP Switches 1-4 used to set address, not function.	DIP Switches 1-4 operate as specified above.
Button Feedback	Interface reports Control Unit and Wallstation button presses.	No reporting on button presses.
Scene Status	Interface reports scene changes.	No reporting on scene changes.

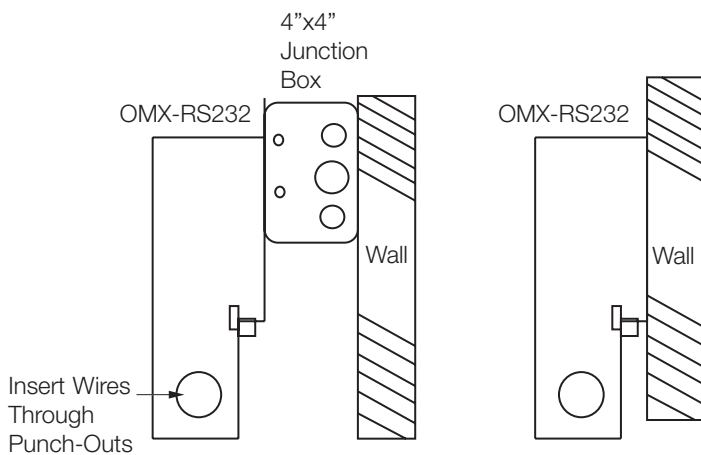
Job Name:	Model Numbers:
Job Number:	

Dimensions



Mounting

- Mount on a 4" (10.2mm) square junction box.
- May also mount directly to the wall.
- Ensure that the metal casing is grounded. Connect a ground wire to the ground screw.
- Note that wires do not feed through the back of the unit.



<p>Job Name:</p>	<p>Model Numbers:</p>
<p>Job Number:</p>	

RS232 Link Wiring

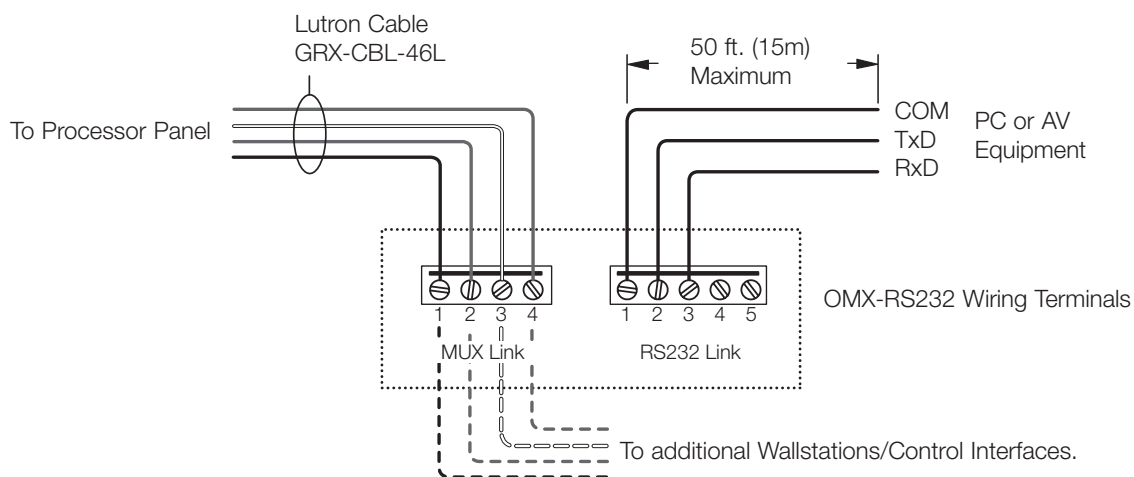
- Use cable provided.
- Standard 9-pin serial connector plugs into RS232 equipment, other end connects to RS232 Link terminals.
- Must be 50 ft. (15m) or less.

RS232 Signals

OMX-RS232 Link Terminal	Signal	Typical PC or A/V Equipment	Pin on 9-pin Cable
1	Common	Com	5
2	Data In	TxD	3
3	Data Out	RxD	2
4	No Connect		
5	No Connect		

Low-Voltage Class 2 (PELV) Wiring

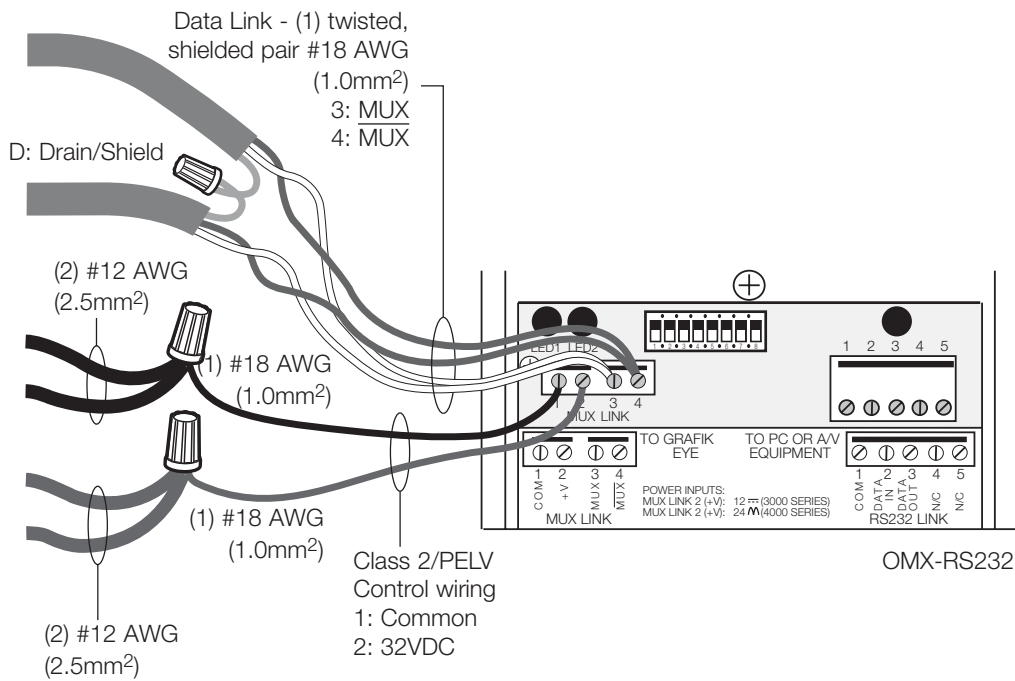
- Daisy-chain the OMX-RS232 Interface to the Class 2 (PELV) Wallstation Link that connects to the Processor Panel.
- Make daisy-chain connections to the low-voltage Class 2 (PELV) MUX Link terminals on the front of OMX-RS232 Interface.
- Do not use T-taps. Run all wires in and out of terminal block.
- Each terminal accepts up to two #18 AWG (1.0mm²) wires.
- LED 1 lights when the Class 2 (PELV) MUX link is installed correctly.
- Consult Processor Panel Specification Submittal for more details.



Job Name:	Model Numbers:
Job Number:	

Class 2 (PELV) Terminal Connections

- Two #12 AWG (2.5mm²) conductors for common (terminal 1) and 32VDC (terminal 2). These will not fit in terminals. Connect as shown.
- One shielded, twisted pair #18 AWG (1.0mm²) for data link (terminals 3 and 4).
- Connect Drain/Shield as shown. Do not connect to Ground (Earth) or Wallstation/Control Interfaces. Connect the bare drain wires and cut off the outside shield.



Job Name:	Model Numbers:
Job Number:	