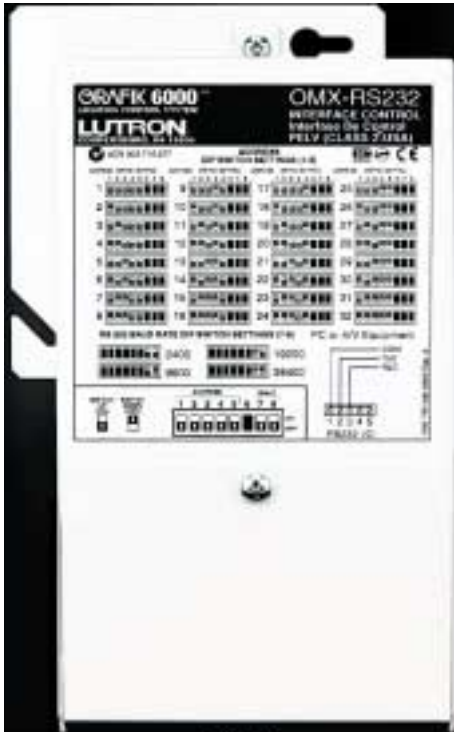


OMX-RS232 Control Interface



DESCRIPTION

- Integrates GRAFIK 5000/6000 Systems with a touchscreen or other digital equipment that supports RS232 communication.
- Provides RS232 monitoring commands that let a touchscreen query GRAFIK Systems to:
 - Find out what scene is selected.
 - Keep track of buttons pressed.
- Provides RS232 control commands that let a touchscreen operate GRAFIK Systems:
 - Select or sequence lighting scenes.
 - Raise or Lower one or more zones.
 - Lock lighting controls.
 - Activate panic mode (lights go full on).

- Can work in different ways depending on how you set up via the GRAFIK System Processor Panel.
- Can be custom-configured for other functions.

FUNCTIONS

FUNCTION	WHEN ACTIVATED	OTHERWISE ...
Zone Lock Retain	If power goes out, locked zones stay locked when power returns.	Power outage unlocks locked zones.
Scene Lock Retain	If power goes out, locked scenes stay locked when power returns.	Power outage unlocks locked scenes.
Sequence Retain	If power goes out, sequencing resumes when power returns.	Power outage stops sequencing.
Sequencing Scene Range	Sequencing loops through scenes 5 to 16.	Sequencing loops through scenes 1 to 4.
Multiple GRX-232 Addresses ¹	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 change.

¹ Only for projects with more than one Control Interface that use RS232 communications (OMX-RS232 or OMX-PRG).

JOB NAME:	MODEL NUMBERS:
JOB NUMBER:	

SPECIFICATIONS

Power

Operating voltage: Low-voltage Class 2 (PELV), 32VDC.

Basic RS232 Command Set

Monitoring: Button feedback and scene status updates.

Control: Scene selection, scene lockout, sequencing, zone lockout, zone raise/lower.

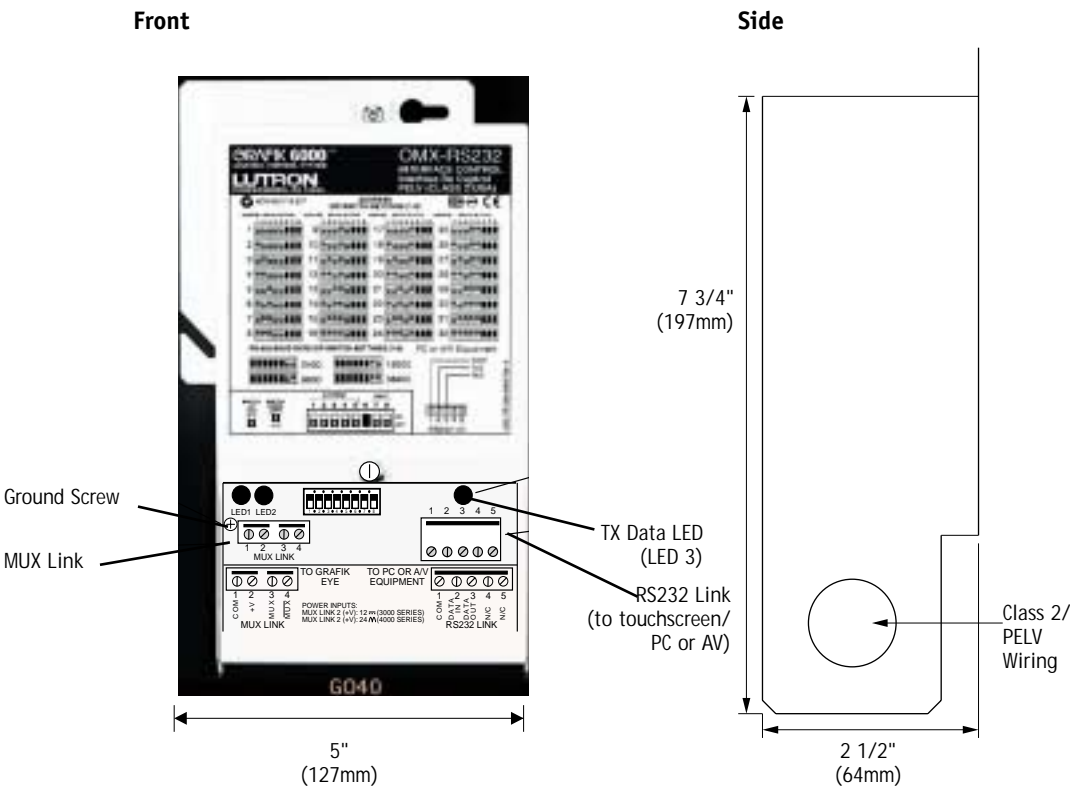
System Communications and Capacity

- Low-voltage Class 2 (PELV) wiring connects OMX-RS232 Interface to the Processor Panel.
- Multiple OMX-RS232 Control Interfaces supported.
- 50 feet (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.

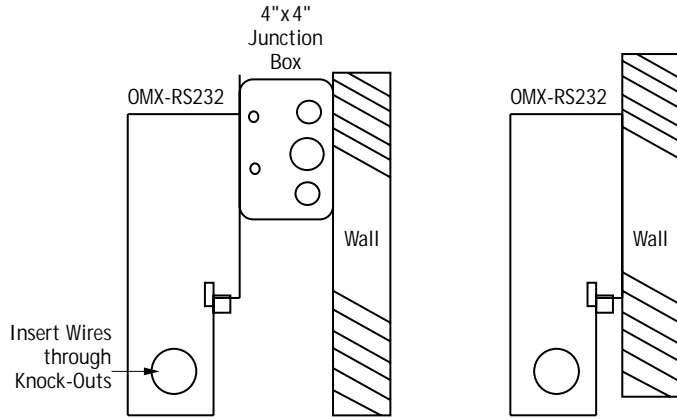
DIMENSIONS



JOB NAME:	MODEL NUMBERS:
JOB NUMBER:	

MOUNTING

- Mount on a 4" (10.2mm) square junction box.
- Or mount directly on the wall.
- Make sure you ground the metal casing. Connect a ground wire to the ground screw.



RS232 LINK WIRING

Use cable provided.

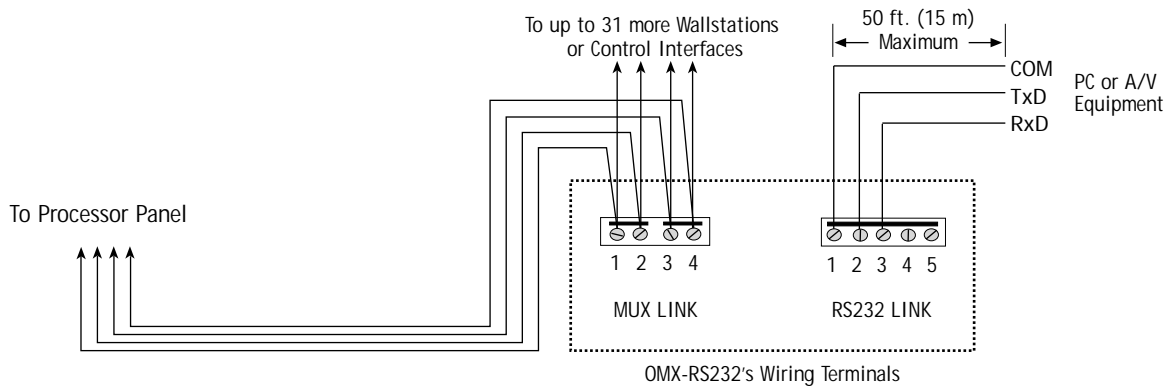
- Standard 9-pin serial connector plugs into RS232 equipment.
- Other end connects to RS232 Link terminals.
- Must be 50 feet (15m) or less.

RS232 Signals

OMX-RS232's 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

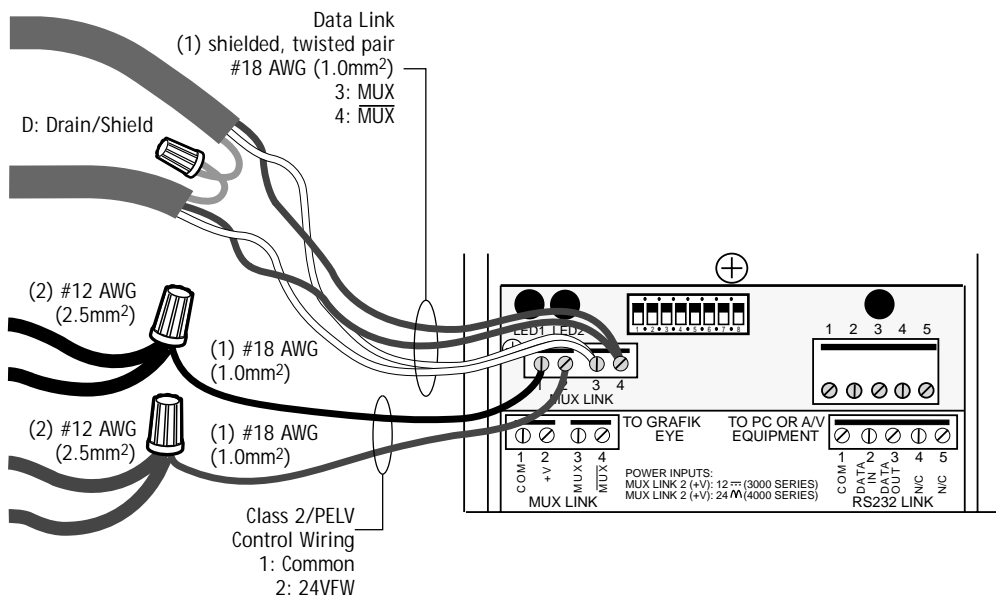
- Daisy-chain the OMX-RS232 Interface to the Class 2 (PELV) Wallstation Link that connects to the Processor Panel.
- Make daisy-chain connections to the low-voltage Class 2 (PELV) MUX Link terminals on front of OMX-RS232 Interface.
- Do not use T-taps. Run all wires in and out of terminal block.
- Each terminal can accept up to two #18 AWG (1.0mm²) wires.
- 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 32 VDC (terminal 2). These won't 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:	