369370 Rev. B 1 06.02.11

OMX-CI-RS232 Control Interface

Description

- Integrates GRAFIK 5000™, GRAFIK 6000®, GRAFIK 7000™, Softswitch128®, and LCP128® systems with a touchscreen or other digital equipment that supports RS232 communication.
- Provides monitoring commands that allow a touchscreen to query lighting systems to:
  – Determine which scene is selected.
  – Keep track of buttons pressed.
- Provides control commands that allow a touchscreen to operate lighting 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).
  – Simulate button actions
  – Disable or Enable timeclock(s)

Job Name:	Model Numbers:	
Job Number:		

Specifications

Power

- IEC PELV/NEC® Class 2
- Operating Voltage: 12 V⎓ 125 mA
  24 V⎓ 65 mA

Uses OMX RS232 Command Set

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

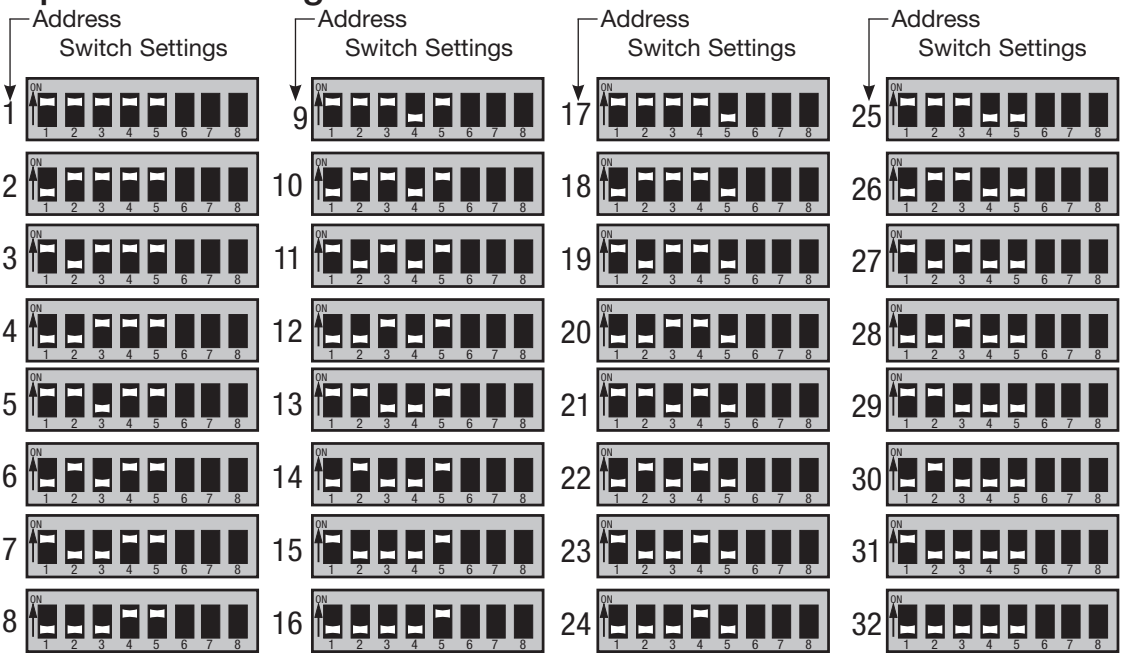
System Communications and Capacity

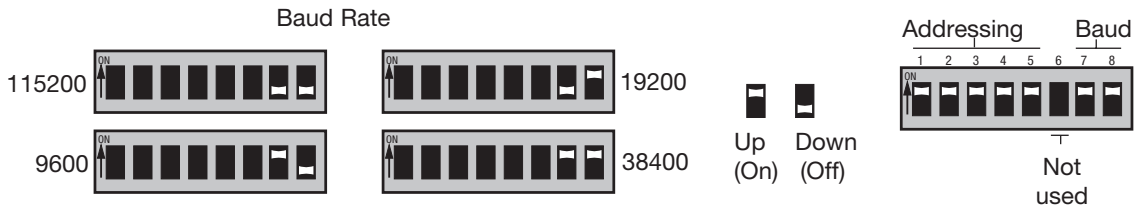
- IEC PELV/NEC® Class 2 wiring connects OMX-RS232 Interface to Processor Panel.
- Multiple OMX-RS232 Control Interfaces may be used.
- 50 ft (15 m) maximum from OMX-RS232 Interface to PC or other RS232 source.

Environment

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

Dip Switch Settings

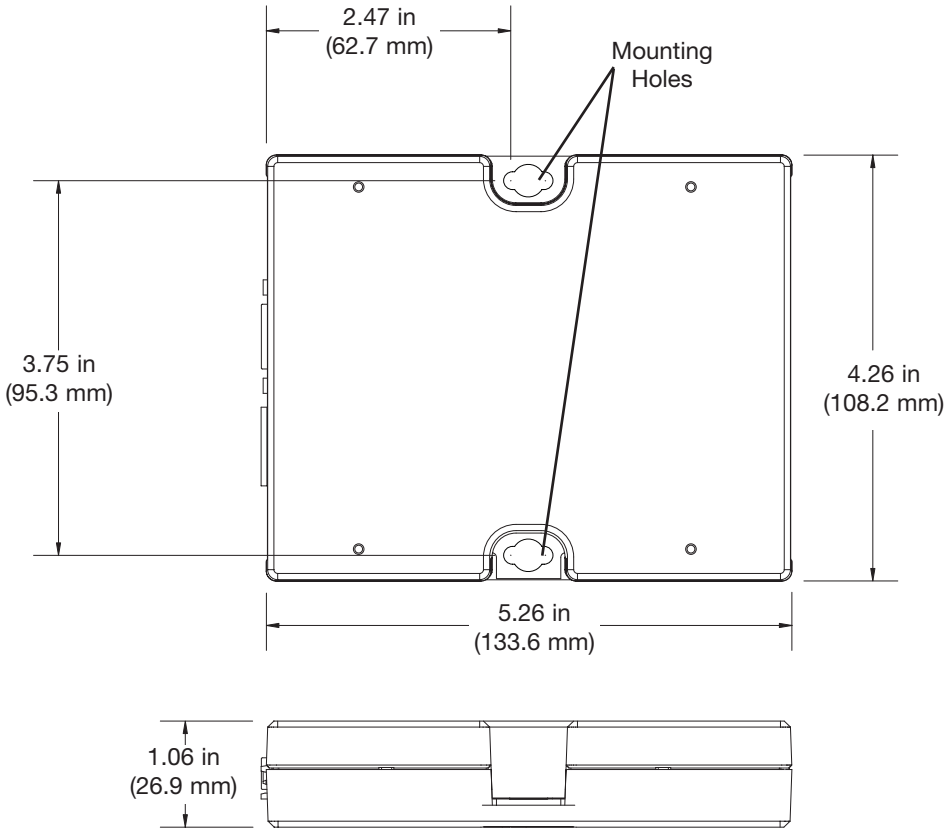




Job Name:	Model Numbers:	
Job Number:		

369370 Rev. B 3 06.02.11

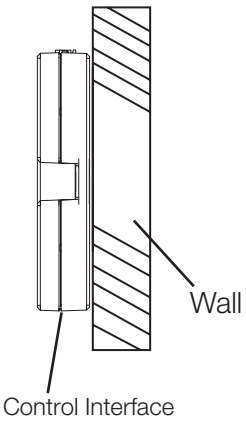
Dimensions



Mounting

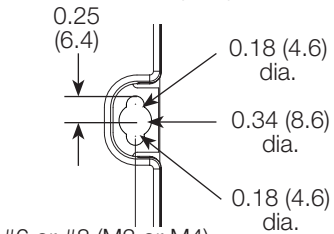
1. Mount the control interface directly on a wall, as shown in the Mounting Diagram, using screws (not included). When mounting, provide sufficient space for connecting cables.
   The unit can also be placed in the LUT-19AV-1U AV rack using the screws provided with the unit. The LUT-19AV-1U will hold up to four units.
   If conduit is desired for wiring, the LUT-5x10-ENC can be used to mount one unit.
2. Strip ⅜ in (10 mm) of insulation from wires. Each data link terminal will accept up to two 18 AWG (1.0 mm²) wires.
3. Connect wiring as shown in the Wiring Diagram (next page). LED 1 lights continuously (Power) and LED 7 blinks rapidly (Data Link RX) when the IEC PELV/NEC® Class 2 Data Link is installed correctly.

Mounting Diagram



Mounting Hole Detail

Dimensions: in (mm)



Wire Strip Length

LUT-5x10-ENC

LUT-19AV-1U

Job Name:	Model Numbers:	
Job Number:		

RS232 Link Wiring

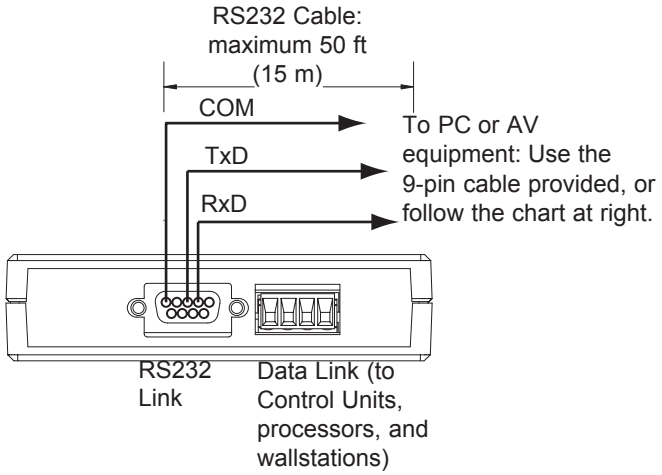
- Use cable provided.
- Standard 9-pin serial connector plugs into RS232 equipment, other end connects to RS232 Link terminals.
- Must be 50 ft (15 m) or less.

RS232 Signals

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

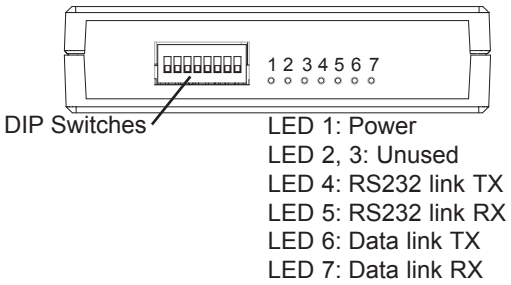
IEC PELV/NEC® Class 2 Wiring

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



RS232 Pin Connect Wiring

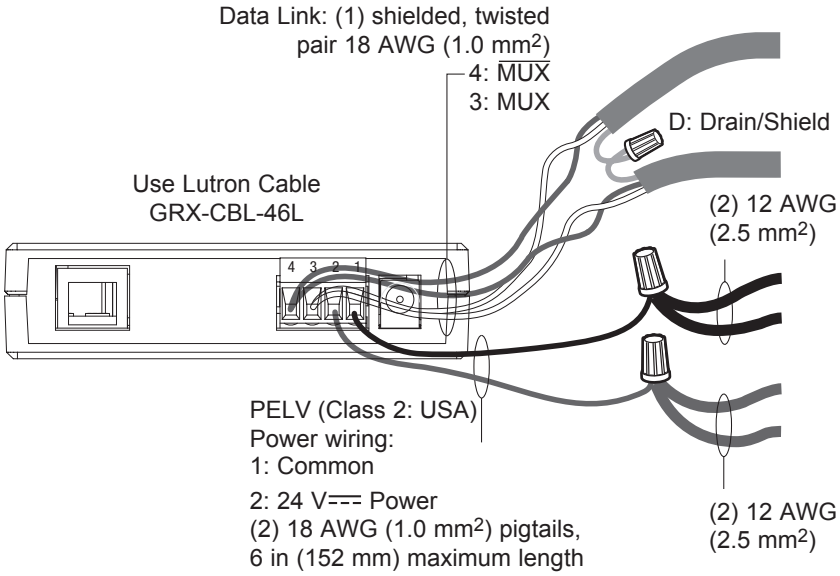
RS232 Interface	Typical PC or A/V equipment	Pin on 9-pin cable
Common	Com	5
Transmit	TxD	3
Receive	RxD	2



Job Name:	Model Numbers:	
Job Number:		

IEC PELV/NEC® Class 2 Terminal Connections

- Two 12 AWG (2.5 mm²) conductors for common (terminal 1) and 24 V⎓ (terminal 2). These will not fit in terminals. Connect as shown.
- One shielded, twisted pair 18 AWG (1.0 mm²) 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.



Note: Do not connect Drain/Shield to Ground (Earth) or Wallstation/Control Interfaces. Connect the bare drain wires and cut off the outside shield.

Note: 12 AWG (2.5 mm²) conductors for Common (terminal 1) and 24 V⎓ Power (terminal 2) will not fit in terminals; use 18 AWG (1.0 mm²) pigtails (< 6 in/152 mm).