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OMX-CI-NWK-E Control Interface

Description

- Integrates GRAFIK 5000™, GRAFIK 6000®, GRAFIK 7000™, Softswitch128®, and LCP128® systems with a touchscreen or other digital equipment that supports TCP/IP communication over Ethernet.
- 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 or PC to operate lighting systems to:
  – Select or sequence lighting scenes.
  – Raise or Lower one or more zones.
  – 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.

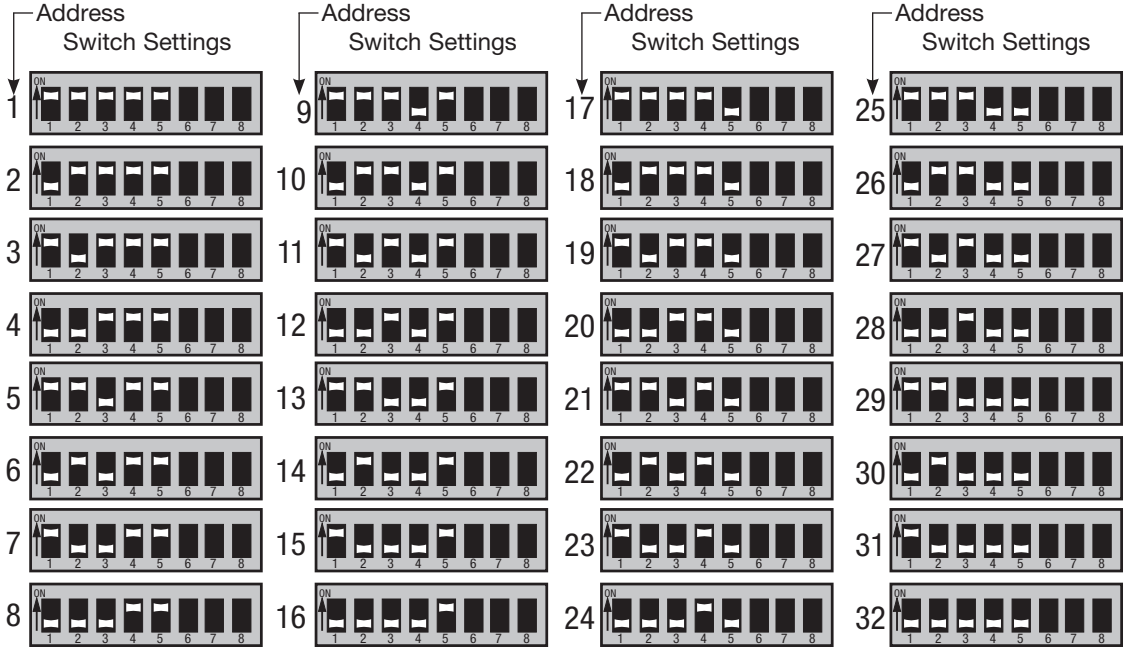
System Communications and Capacity

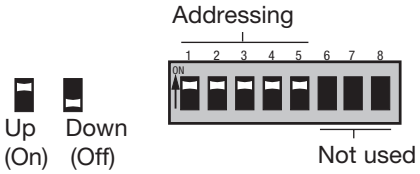
- IEC PELV/NEC® Class 2 wiring connects OMX-CI-NWK-E Interface to Processor Panel.
- Standard CAT5 cable, 328 ft (100 m) maximum, connects OMX-CI-NWK-E Interface to PC or other Ethernet source.
- Supports MDI/MDIX auto-crossover (no crossover cable needed).
- Multiple Control Interfaces may be used in a single system.

Environment

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

Dip Switch Settings





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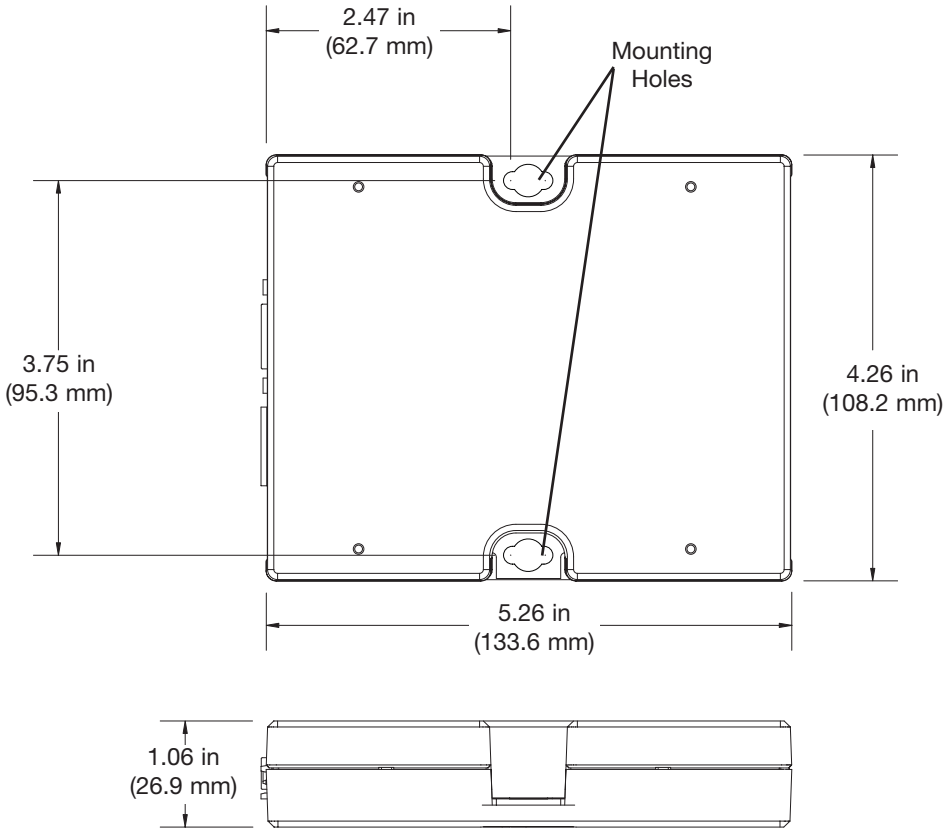
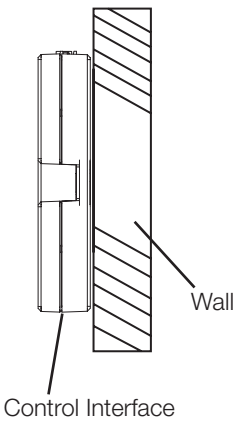
Dimensions



Mounting

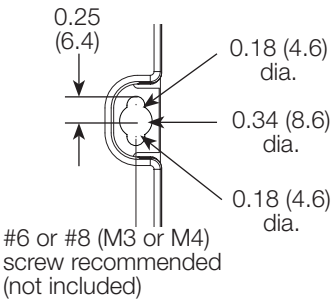
1. Mount the control interface directly on a wall, as shown in the Mounting Diagram, using screws (not included). When mounting, provide sufficient space for connecting cables.
   The unit can also be placed in the LUT-19AV-1U AV rack using the screws provided with the unit. The LUT-19AV-1U will hold 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



LUT-5x10-ENC

Mounting Hole Detail
Dimensions: in (mm)



Wire Strip Length

LUT-19AV-1U

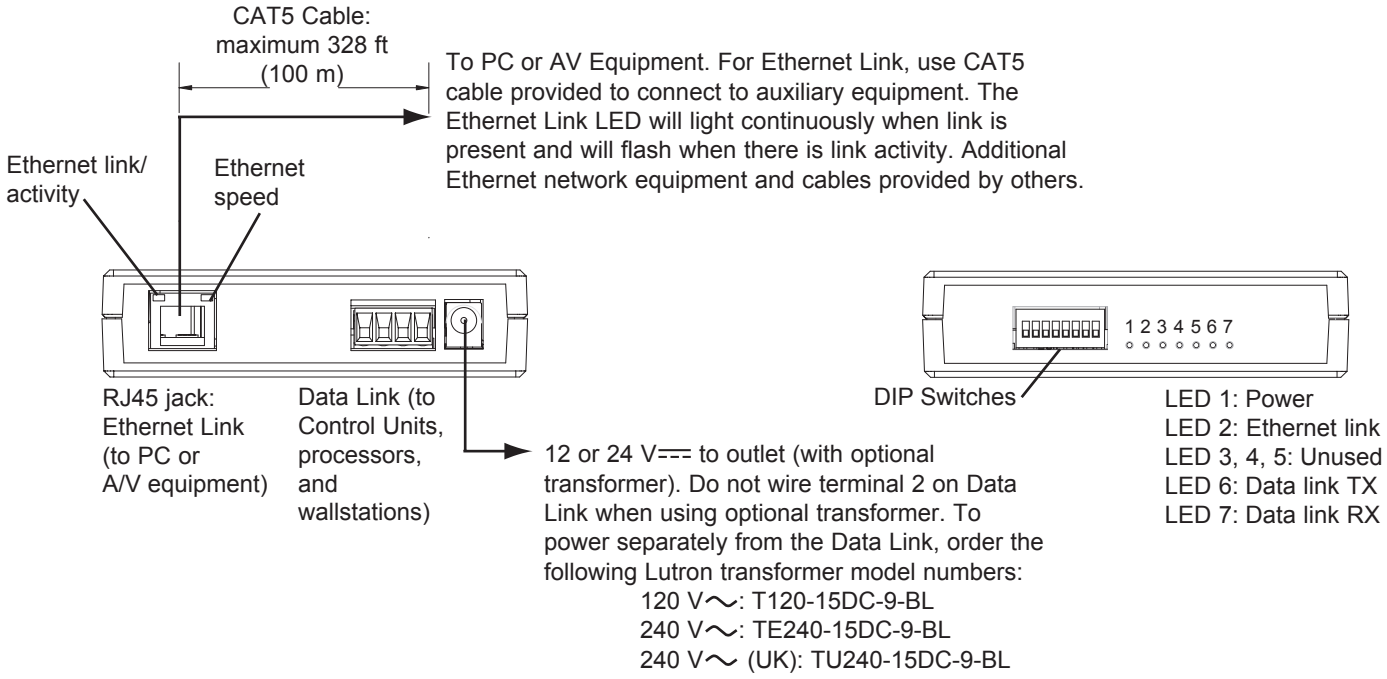
Job Name:	Model Numbers:
Job Number:	

Ethernet Link Wiring

- Standard CAT5 cable connects OMX-CI-NWK-E Interface to PC, router, or other Ethernet source.
- No crossover cable needed.
- Must be 328 ft (100 m) or less.
- Ethernet network and cable provided by others.

IEC PELV/NEC® Class 2 Wiring

- Daisy-chain the OMX-CI-NWK-E 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-NWK-E 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.



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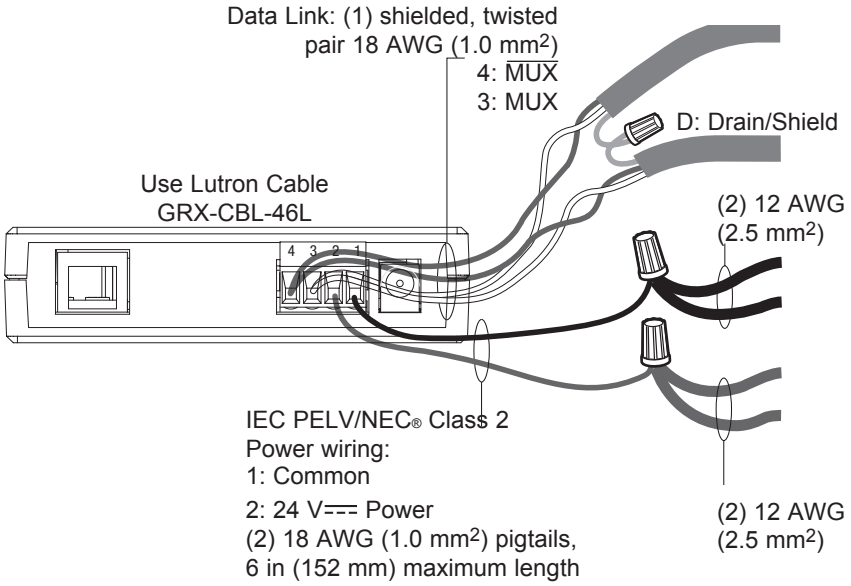
IEC PELV/NEC® Class 2 Terminal Connections

- 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. Ensure that the terminal 2 connection is wired when not using optional transformer.
- 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).

LUTRON® SPECIFICATION SUBMITTAL Page

Job Name:	Model Numbers:
Job Number:	