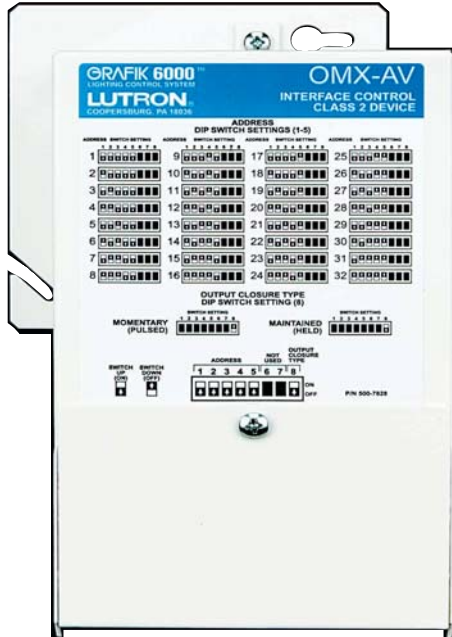


OMX-AV Control Interface



Description

- Integrates GRAFIK 5000/6000/7000 Systems with equipment that has contact-closure I/O, including:
 - Motion and occupant sensors.
 - Timeclocks and push buttons.
 - Motorized projection screens, skylights, window shades, and movable walls.
 - AV equipment.
 - Security systems.
- Use the GRAFIK Systems Processor Panel to setup the OMX-AV Interface for different modes, functions, and momentary/maintained inputs and outputs.

Inputs/Outputs

- Provides five inputs and five outputs.
- Using the inputs, contact closures in other equipment can operate controls to:
 - Select scenes.
 - Run sequences (loop through scenes).
 - Lock lighting controls to prevent changes.
 - Activate panic mode (lights go full on).
 - Adjust control logic to reflect status of movable walls.
 - Turn lights on or off based on room occupancy.
- Using the outputs, scene changes in lighting controls can:
 - Trigger outputs to control other equipment.
 - Provide status feedback to other equipment.

Job Name:	Model Numbers:
Job Number:	

Specifications

Power

- Low-voltage Class 2 (PELV).
Operating Voltage: 32 V Direct Current.
- Provides 2-way interface between lighting controls and dry contact closure devices.
- Provides 5 inputs and 5 outputs. Outputs can control other manufacturers' equipment.

Operating Modes

- Scene selection
- Special functions
- Partitioning
- Occupant sensor

Five Input Terminals

- Accept maintained inputs and momentary inputs with 40msec minimum pulse times.
- Inputs must be dry contact closure or open collector (NPN).
- On-state saturation voltage must be less than 2.0VDC.
- Off-state leakage current must be less than 10 μ A.
- Open circuit voltage: 36V maximum.
- Short circuit current: 4.0 μ A maximum.

Five Output Terminals

- Provide solid-state maintained or momentary (1-second) outputs.
- Outputs require an external relay and power supply (30VDC max., Class 2/PELV) by others for contact closure devices.
- Maximum voltage: 38V
- Maximum current: 200mA
- Open collector (NPN) output: On-state saturation voltage 1.0V maximum, off state leakage current 0.1 μ A maximum.

Status LEDs

Five Status LEDs light when associated output is active (on).

System Communications and Capacity

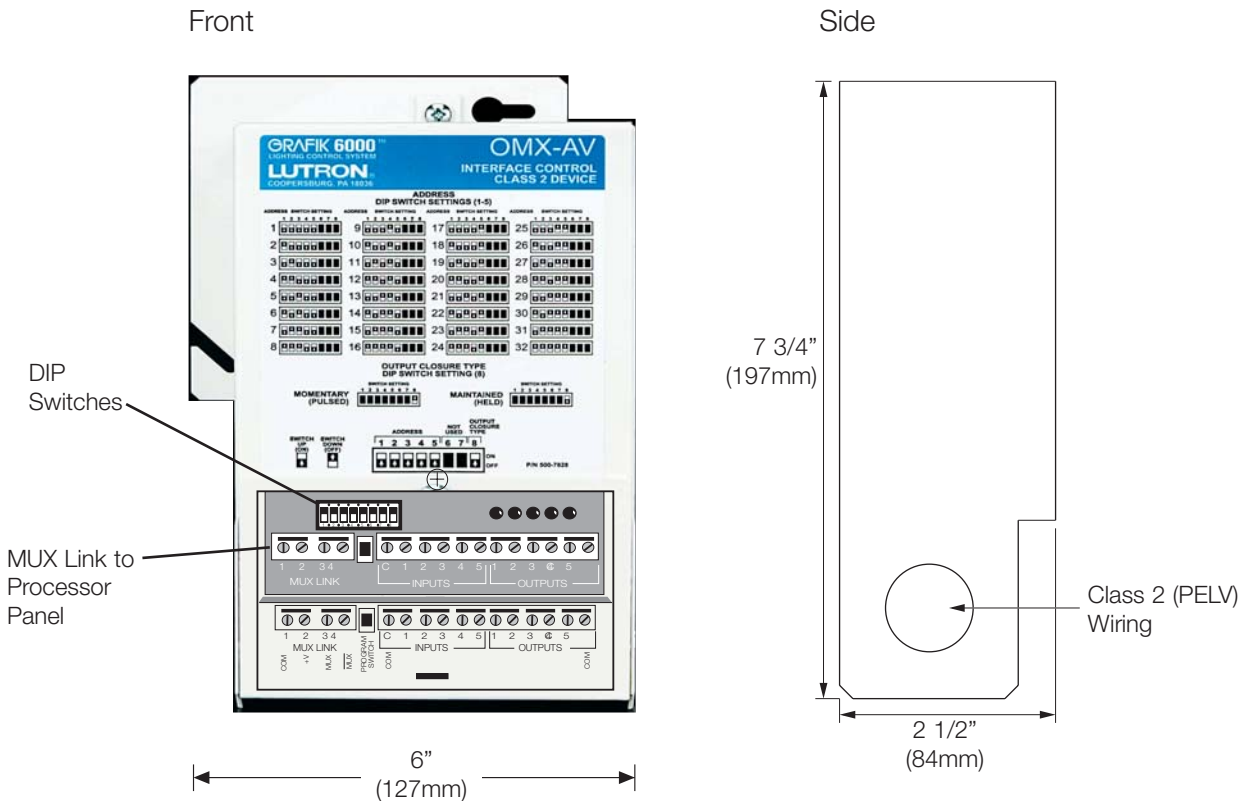
Low-voltage type Class 2 (PELV) wiring connects OMX-AV Interface to Processor Panel.

Environment

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

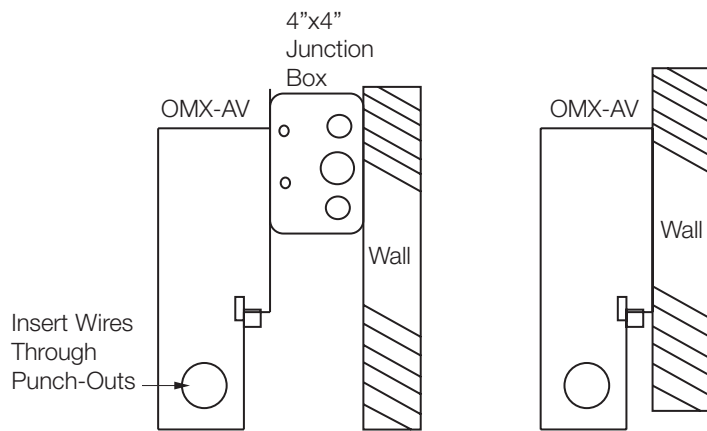
Job Name:	Model Numbers:
Job Number:	

Dimensions



Mounting

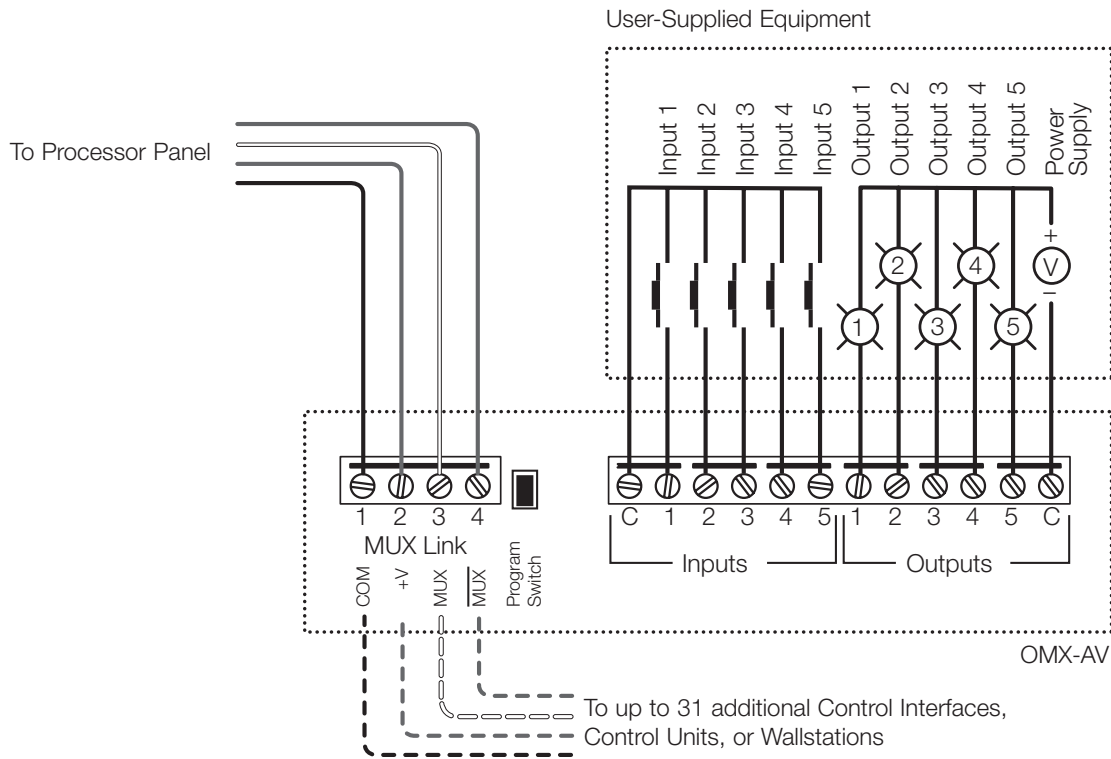
- Mount on a 4" (10.2mm) square junction box.
- May also mount directly to the wall.
- Ensure that the metal casing is grounded. Connect a ground wire to the ground screw.
- Note that wires do not feed through the back of the unit.



Job Name:	Model Numbers:
Job Number:	

Low-Voltage Class 2 (PELV) Wiring

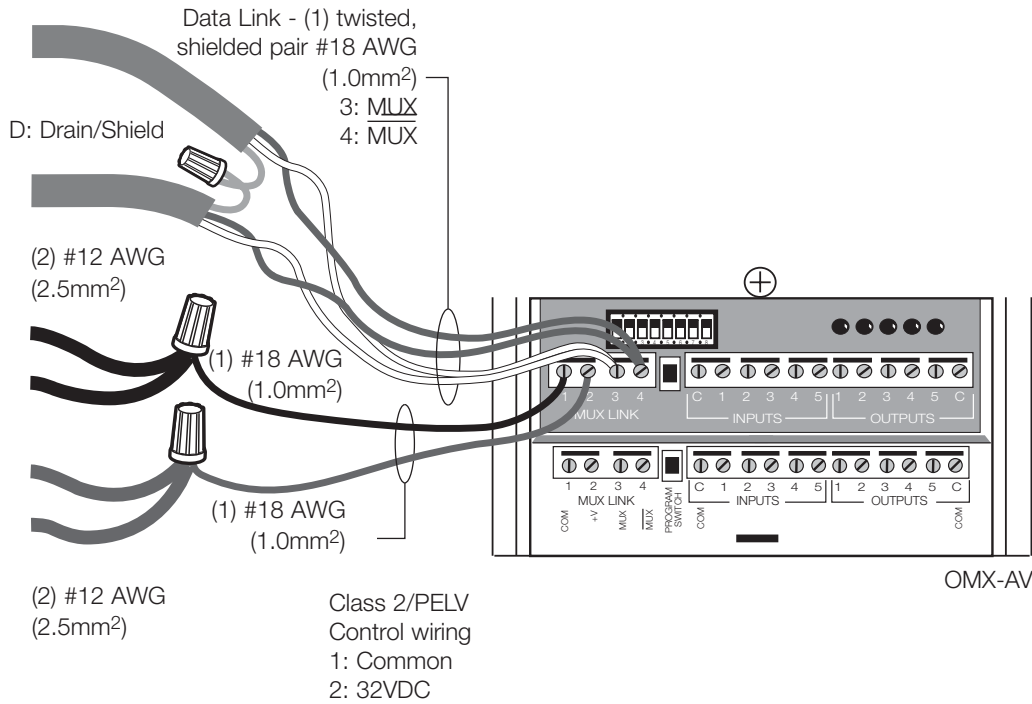
- Daisy-chain the OMX-AV Interface to the Class 2 (PELV) Wallstation Link that connects to the Processor Panel.
- Make daisy-chain connections to the low-voltage Class 2 (PELV) MUX Link terminals on front of OMX-AV Interface.
- Do not use T-taps. Run all wires in and out of the terminal block.
- Each terminal accepts 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 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:	