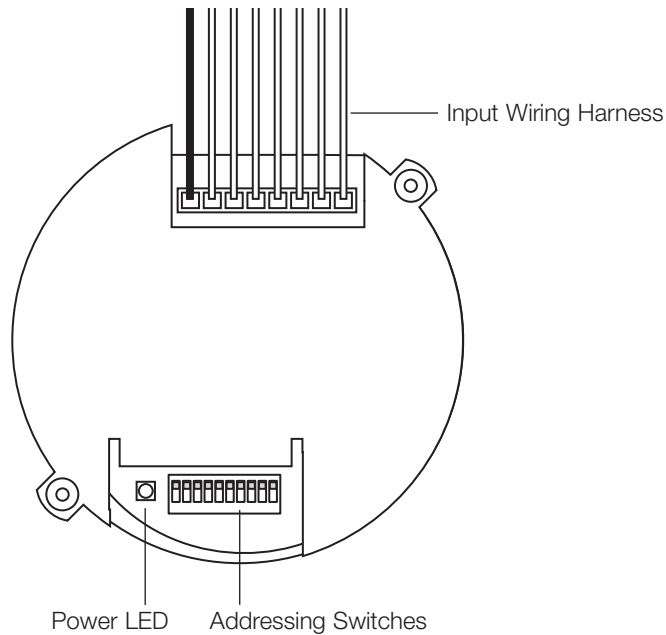


OMX-WCI

Wallbox Closure Input Interface



Description

- The OMX-WCI provides 7 control inputs to the Lutron Lighting Control System.
- The control inputs can be set up to simulate existing Lutron keypad functionality or custom configured to project-specific requirements.
- The OMX-WCI mounts behind the user-supplied switch to control the Lutron Lighting Control System.
- Works with a PELV (Class 2), low-voltage, dry contact switch that meets the Power requirements found in the Specifications section of this document.
- The power LED provides feedback:
 - Lit dimly under normal operation
 - Flashing indicates communication miswire
- The recommended wallbox depth is 61mm. The wallbox depth requirements vary with the depth of the switch in use.
- The OMX-WCI uses one address on the Communication Link.
- Can be custom-configured for other functions.
- The OMX-WCI is not designed to work with line/mains voltage switches.

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

Power

- Low-voltage PELV (Class 2)
Operating voltage: 32 VDC.
- Provides 1-way input interface between GRAFIK Lighting Control Systems and a switch provided by others.
- If using a mechanical switch, it must be a low-voltage, dry contact closure rated switch.
- If using a solid-state input switch, it must have an on-state saturation voltage less than 1VDC at 1mA and an off-state leakage current of less than 1 mA.
- Use with line/mains voltage switches could result in premature failure of the switch being used.
- If there is any question as to whether a switch is compatible with these specifications, contact the manufacturer of the switch.

Key Design Features

- Meets IEC 801-2. Tested to withstand 15kV electrostatic discharge without damage or memory loss.

System Communications and Capacity

- Low-voltage PELV (Class 2) wiring connects OMX-WCI to Control Units and other components.
- Up to 32 Wallstations, Control Units, and/or Control Interfaces may be connected on a PELV (Class 2) Communication Link.

Terminals

Accept up to two 1.0mm² (#18 AWG) typical.

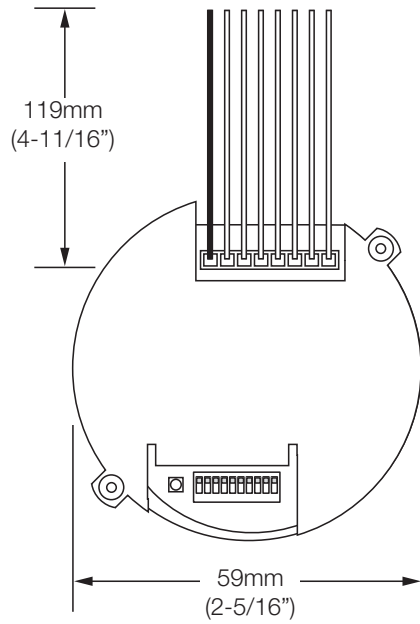
Environment

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

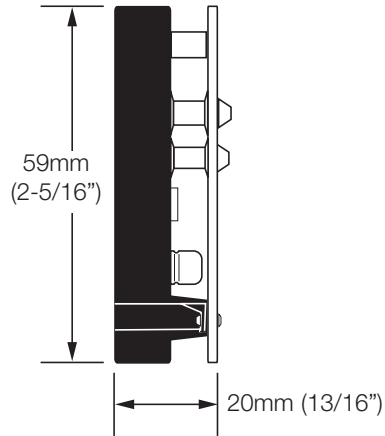
Job Name:	Model Numbers:
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Dimensions and Mounting

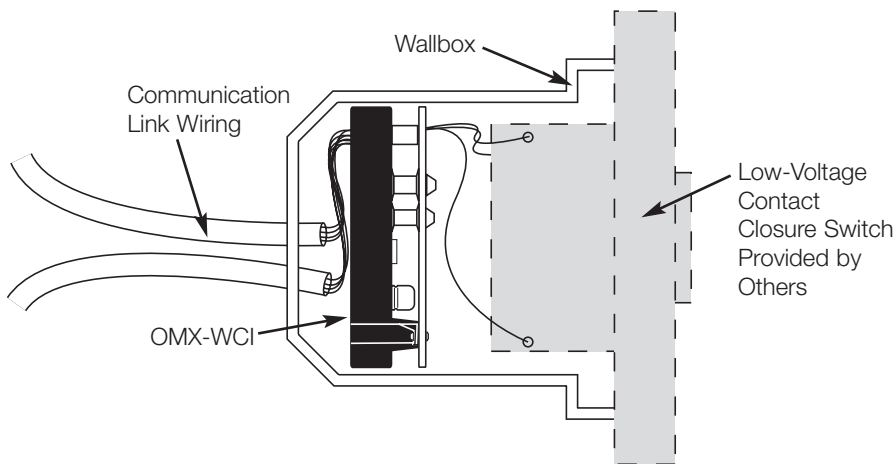
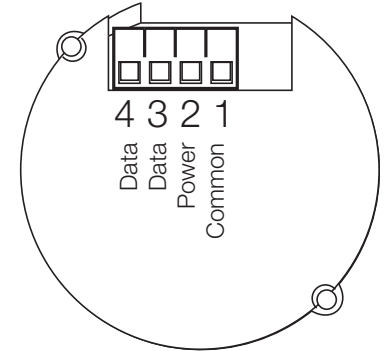
Front View



Side View



Back View

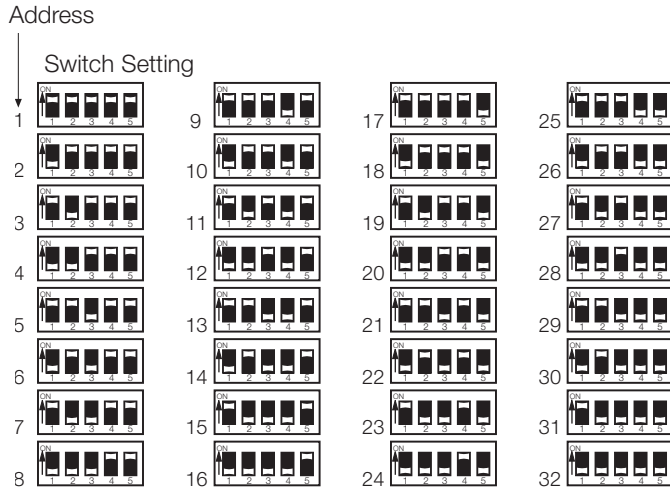


Job Name:	Model Numbers:
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Installation

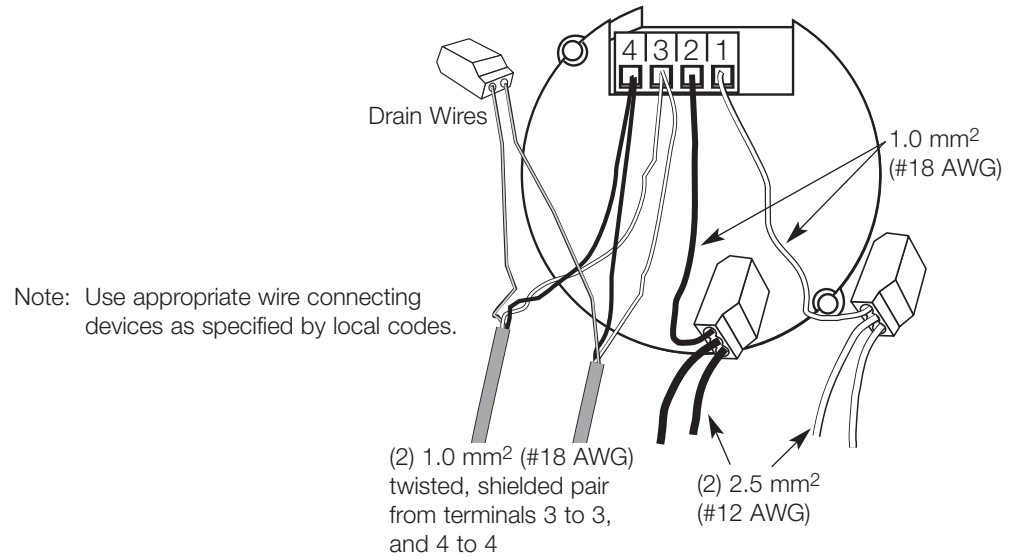
Addressing

- Set Address Switches 1-5 to give the OMX-WCI the unique system address from 1 to 32.



Low-Voltage PELV (Class 2) Wiring

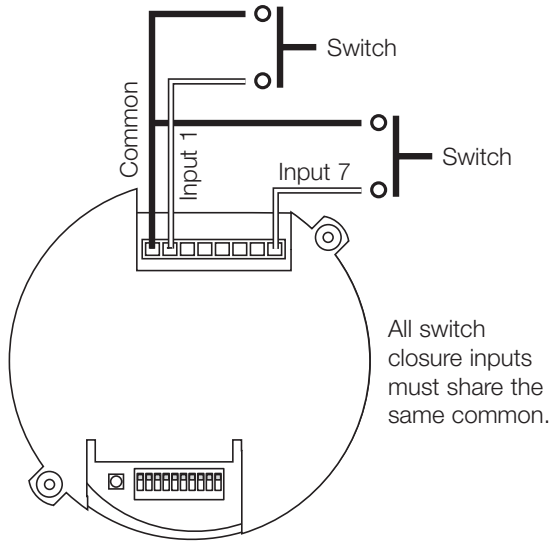
- Use low-voltage PELV (Class 2) wiring to daisy-chain OMX-WCI to the Processor Panel.
- Lutron recommends that all connections be made in the wallbox.
- If a remote connection (T-tap) must be made, the maximum wire length from the communication link to the connected unit must be 2.5m (8 ft.).
- Two 2.5mm² (#12 AWG) conductors for common (terminal 1) and 24VDC (terminal 2). Connect as shown below.
- One shielded, twisted pair #1.0mm² (#18 AWG) for data (terminals 3 and 4).
- Connect Drain as shown.
 - Do not connect to Ground (Earth) or Wallstation.
 - Connect the drain and cut off the outside shield.



Job Name:	Model Numbers:
Job Number:	

Contact Closure Wiring

- Connect the desired input(s) and common wire(s) to the switch(es) provided by others.
- Ensure proper function then cap or cut off unused input wires.



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