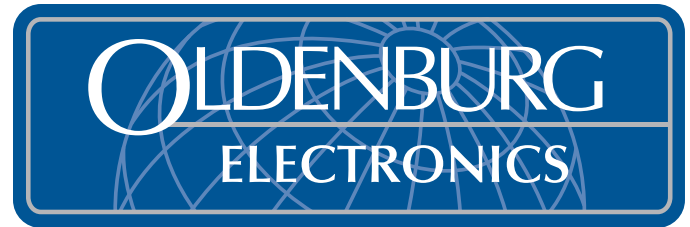


# OE1003 LVPC-DIM

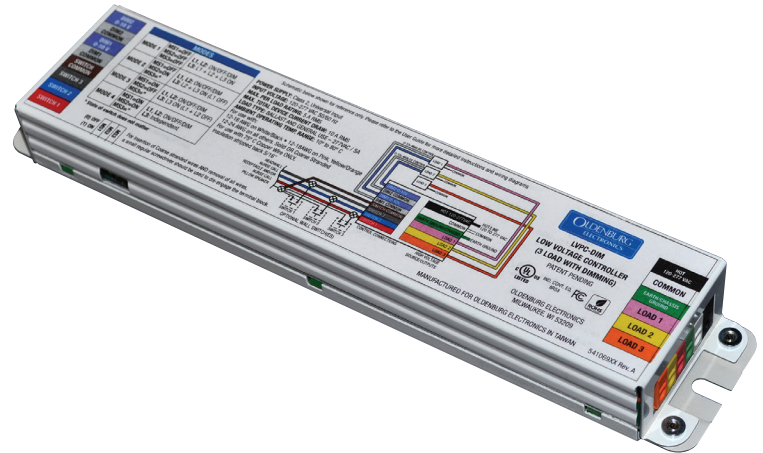
## Low Voltage Control Interface with Dimming



www.OldenburgElectronics.com

The LVPC-DIM interface enables on/off/dimming control of two AC powered lighting loads and on/off control of a third AC load via low-voltage, momentary contact switches, such as those found on patient pillow speakers, bed communication side rails, and nurse call auxiliary outputs.

Only a single switch per load is required for full control of each load, allowing use of existing patient controls and simple momentary wall switches.



### Features

- Wide-range 120-277VAC, 50/60Hz input
- Can be used with fluorescent, LED, and other lamp types (dimmable ballasts or drivers required for dimming functionality)
- Simple field configuration using DIP switches for the following modes of operation:
  - Two loads with 0-10V dimming and a third load independently
  - Two loads with 0-10V dimming and a third load that deactivates the first two loads when on
  - Two loads with 0-10V dimming and a third load that also turns on the second load at full output when on
  - Two loads with 0-10V dimming and a third load that also turns on the first two loads at full output when on
- One control switch or contact required per load. Additional switches/contacts may be wired in parallel to permit control from multiple locations

### Applications

- Patient rooms
- Conference rooms
- Classrooms
- Electric Doors
- Window Coverings

### Certifications

UL 508 Listed for U.S. and Canada  
RoHS compliant  
Compliant with FCC Title 47 CFR 25 - Class B

## Operating Parameters

Rating	Value
Input Voltage	120VAC-277VAC, 50/60Hz
Output Voltage	120VAC-277VAC, 50/60Hz (matches input voltage)
Output Current, per load	Max 5A General Use, Max 5A Ballast
Total output current	Max 10A across all 3 loads
Dimming output	0-10V, current-sourcing
Switch type	Momentary dry contact, normally-open, Must be capable of switching 5VDC and 0.5mA
Switch isolation	Isolated by listed internal Class 2 power supply
Case temperature	10°C–80°C
Input/output connections	<ul style="list-style-type: none"> <li>• White/Black: 12AWG-16AWG poke-in terminal block</li> <li>• Pink/Yellow/Orange/Green: 12AWG-18AWG poke-in terminal block</li> <li>• All others: 12AWG-24AWG poke-in terminal block</li> </ul>
Wire types:	<ul style="list-style-type: none"> <li>• Solid and coarse-stranded wire (copper ONLY), strip 5/16" <ul style="list-style-type: none"> <li>▪ Coarse-stranded wire requires use of small screwdriver to hold open terminal block for insertion</li> </ul> </li> <li>• Use minimum 75°C wire suitable for operating voltage</li> <li>• Wires used must have voltage and current ratings appropriate for the installation</li> </ul>
Mounting	Dry locations only, requires suitable electrical enclosure or may be mounted inside a luminaire (space and temperature permitting)

See LVPC-DIM User Guide for Installation, Wiring and Configuration Details

## LVPC-DIM External Dimensions

