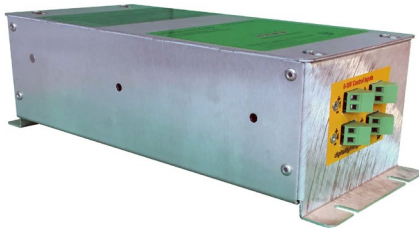


# DLS-RP-4300-120 - Reverse Phase Dimmer (4x 250W @ 120)



Project Name: \_\_\_\_\_  
 Part Numbers: \_\_\_\_\_ Date: \_\_\_\_\_

## Features

- 4 channel x 250 W dimmer or switch pack.
- Reverse phase, trailing edge, ELV
- Dimmer or switch selection with adjustable switch level.
- Universal dimmers for LED, fluorescent, low-voltage transformers.
- Simple to install and operate.
- Suitable for dimming LED and CFL bulbs



ASHRAE 90.1 Compliant

Douglas Lighting Controls® Reverse Phase Dimmer converts a 0-10V dimming signal to an Electronic Low Voltage (ELV) dimming output to control luminaires with ELV power supplies. One Reverse Phase Dimmer can control up to 4-channels of 250W loads at 120VAC. The Reverse Phase Dimmer accepts 4 x 0-10V inputs and 4 x fixed line voltages. Using the Reverse Phase Dimmer, lighting loads such as LED bulbs, fluorescent lighting fixtures and low voltage transformers can be dimmed from Douglas' standard Lighting Control Panels (WDB-3314) or Dialog® Room Controller.

**Typical Applications:** By using the Reverse Phase Dimmer, lighting loads which are not compatible with forward phase dimming modules can now be controlled. Compatibility with both Dialog Lighting Control Panels and Dialog Room Controllers make it an ideal solution for when dimming is required for line voltage lighting.

PART NUMBER	DESCRIPTION
DLS-RP-4300-120	<ul style="list-style-type: none"> <li>• Reverse Phase, Trailing Edge,</li> <li>• 4 Channel x 250 W Dimmer &amp; Switch Packs</li> <li>• All Dimmer outputs must be fed from the same circuit (See Figure 1)</li> <li>• 0-10V analog lighting controllers compatible</li> </ul>

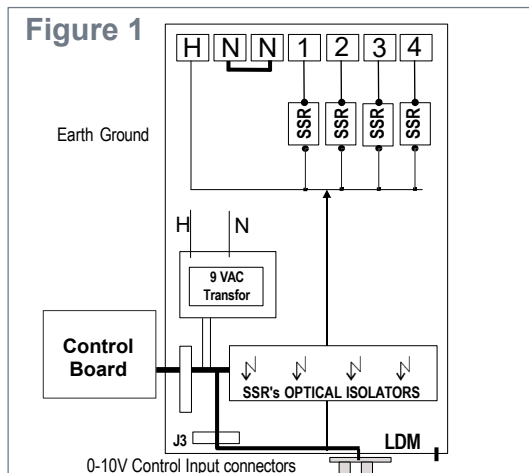
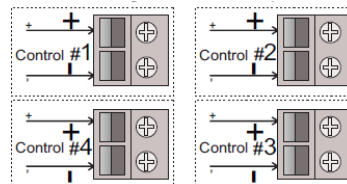


Table 1 - Terminals Definition

NAME	DESCRIPTION
1	Output Of Solid-State Relay #1
2	Output Of Solid-State Relay #2
3	Output Of Solid-State Relay #3
4	Output Of Solid-State Relay #4
H	Hot Line Feed For Relays 1, 2, 3 & 4.
N	Neutral Bus Connections.

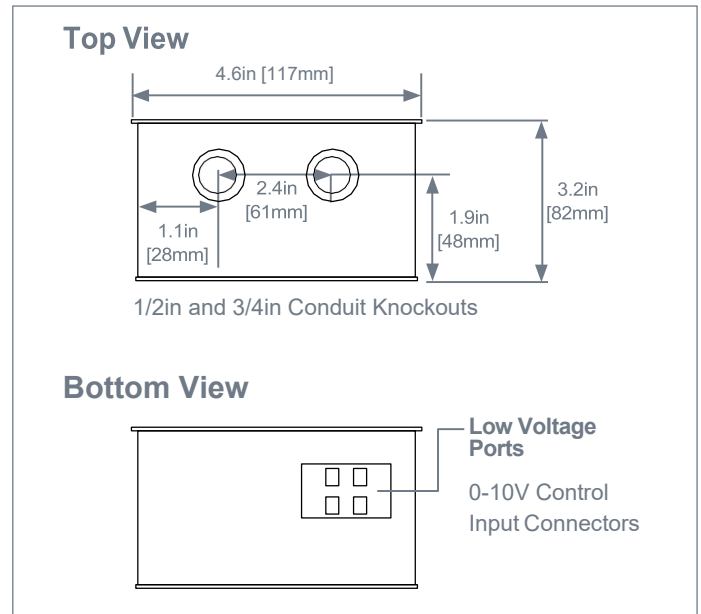
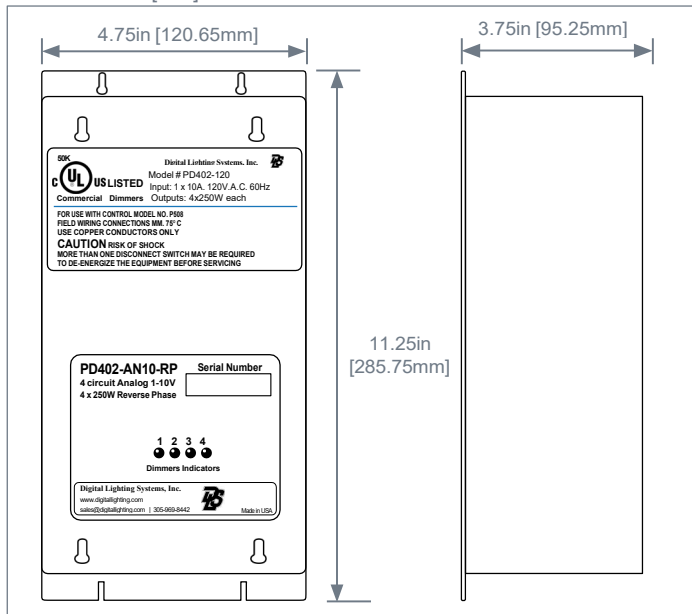
### Analog 0-10V Control Inputs



# DLS-RP-4300-120 - Reverse Phase Dimmer (4x 250W @ 120)

## Dimensions

Inches [mm]



## Technical Details

<b>INPUT VOLTAGE</b>	<ul style="list-style-type: none"> <li>120VAC, 15A Max., 60Hz</li> </ul>
<b>OUTPUT</b>	<ul style="list-style-type: none"> <li>4 x 250W, 2.5A Max</li> </ul>
<b>DIMMING</b>	<ul style="list-style-type: none"> <li>Current draw: 1mA</li> <li>Response range: 1V=0%, 10V=100%</li> <li>0-10V analog signal from a sinking controller</li> </ul>
<b>INSTALLATION</b>	<ul style="list-style-type: none"> <li>Do not attempt to parallel outputs to increase capacity</li> <li>Installation must conform to local and/or NEC requirements</li> <li>Each load must have its own neutral wire for full load operation</li> <li>All line voltage wires must be copper conduct of adequate gauge rated to a minimum of 90°C insulation</li> <li>Power each load directly before connecting it to the Dimmer Pack to ensure proper wiring.</li> <li>#12 AWG copper conductor wire for Line &amp; Neutral Feeds.</li> <li>#14 AWG copper conductors to each load.</li> <li>All Dimmer outputs must be fed from the same circuit (See Figure 1)</li> <li>Follow N.E.C. requirements</li> <li>Max. Per Load: 2.5 Amperes (300 W at 120 VAC)</li> </ul>
<b>ENVIRONMENT</b>	<ul style="list-style-type: none"> <li>Indoor, stationary, non-vibrating, non-corrosive atmosphere, and non-condensing humidity</li> <li>Ambient operating temperatures: 32F to 102F (0C to 38C)</li> <li>Plenum rated</li> </ul>
<b>WEIGHT</b>	<ul style="list-style-type: none"> <li>2.124lbs (0.963kg)</li> </ul>