

DL3-11500-MD

Multi-Dimmable LED Dimmer

Product Features

- Supports analog and low voltage Touch DIM signals.
- Single channel output, max 15A/Channel.
- Uses multi-functional DIP switches to adjust brightness and dimming curves.
- Short-circuit, over-heat and over-current protection with an alarm indicator.



Product Specifications

- Input Voltage DC12-24V
- Channel 1
- Output Current 15A MAX / Channel
- Output Power 12V: 180W; 24V: 360W
- Operating Temperature 0 - 50°C
- Dimensions (L)167 x (W)52 x (H)24 (mm)
6.57 x 2.05 x 0.94(inch)
- Weight 93g
- Case Material ABS and PC



Input Settings

Analog DIM/Touch DIM Select Table





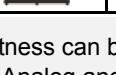
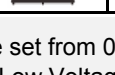
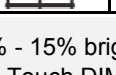
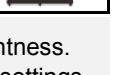
Switch			Analog DIM	Low Voltage Touch DIM
OFF	ON	6	 OFF	 ON

△ Note:

1. Select **Analog DIM**: Set switch 6 to OFF.
2. Select **Low Voltage Touch DIM**: Set switch 6 to ON.
3. Touch dimmer is only a switch, so its signal doesn't have polarity.
4. Connect to **signal+** and **signal-** on low voltage Touch dimmer only. Do not connect to L/N, the dimmer can be damaged.

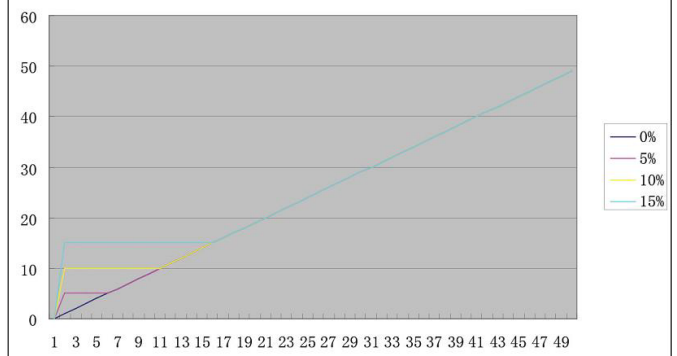
Brightness Settings

Minimum Brightness Select Table

Switch			0%	5%	10%	15%
OFF	ON	4				
		5				

△ Note: Minimum Brightness can be set from 0% - 15% brightness. This is available in both Analog and Low Voltage Touch DIM settings.

Minimum Brightness Dimming Curve





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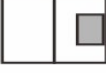
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Analog Settings



Anti-interference Switch Table

Switch			Normal	Logarithmic Dimming
OFF	ON	3	 OFF	 ON

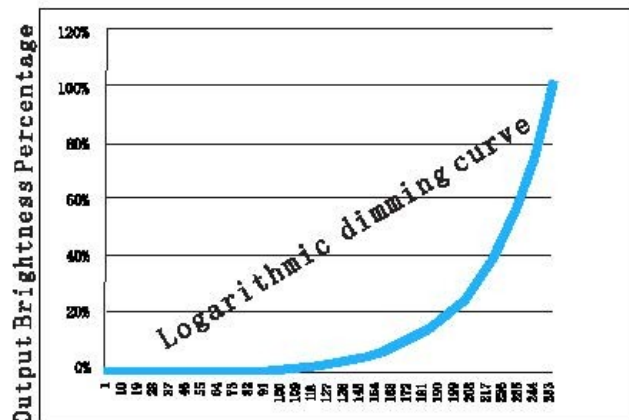
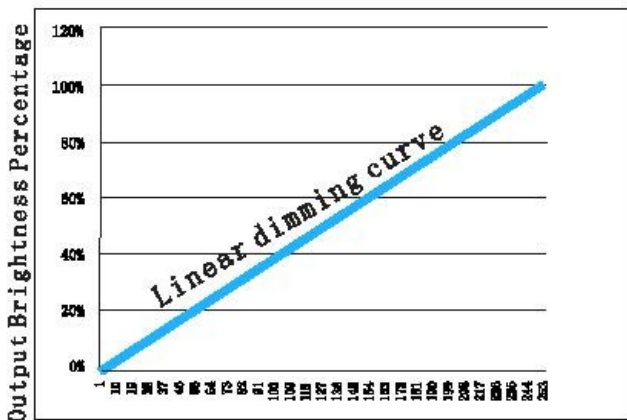
Dimming Curve Switch Table

Switch			Linear Dimming	Logarithmic Dimming
OFF	ON	2	 OFF	 ON

Dimming Mode Switch Table

Switch			0-10V Dimming	1-10V Dimming
OFF	ON	1	 OFF	 ON

Dimming Curve Diagrams



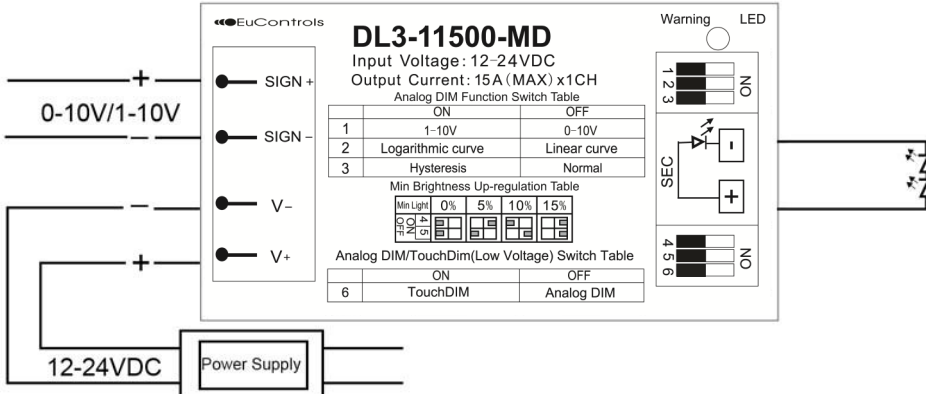
Note: Logarithmic dimming curve use gamma correction to make the luminance smoother, due to the characteristics of the diode.

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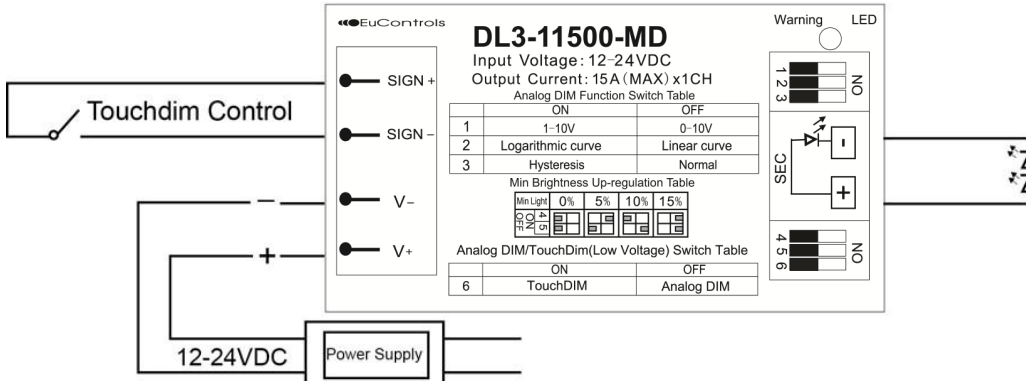
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Connection Instructions

Analog Connections



Touch DIM Connection



Troubleshooting Guides

Problem	Reason	Solution
The brightness of the dimmer cannot be changed.	Dimming mode error.	Check the switch 6.
	Power cord is not connected properly.	Reconnect the power cord.
	Select wrong dimming type.	Double check the dimming type.
Warning light is on.	Dimmer may be shorted, over-loaded or over-heat.	Check the output and make sure there is not any shorted, over-loaded or over-heat.
LED light is flickering.	Low brightness issue.	Increase the setting of low brightness.

△ Note:

- (1) Click Touch DIM switch (<0.5 second) to turn a LED light on or off.
- (2) Press and hold Touch DIM switch (>0.5 second) to change the brightness of the LED light.
- (3) The brightness range is 5% - 100%.
- (4) The power-off memory of this dimmer can save the state of the dimmer before it has been shut down.