



Lex Products Corporation  
401 Shippan Avenue  
Stamford, CT 06902  
203.363.3738  
203.363.3742 Fax

Lex West  
11847 Sheldon Street  
Sun Valley, CA 91352  
818.768.4474  
818.768.4040 Fax

[www.lexproducts.com](http://www.lexproducts.com)  
[info@lexproducts.com](mailto:info@lexproducts.com)  
800.643.4460

We Deliver the Power™

## Slim Dimmer User Guide - Model *LDT1.8K*

### SAFETY NOTICES -- READ THESE NOTICES

Equipment manufactured by Lex Products Corp. is built and tested with safety as a primary consideration, but all electrical equipment must be used with care.

- Read and keep these instructions
- Heed all warnings and follow all instructions
- Do not use this apparatus near water. This product is not intended for use in wet locations
- Clean only with dry cloth
- Install in accordance with the instructions
- If mounting unit overhead, secure with a safety cable
- This product must be properly grounded. Do not defeat the safety purpose of the product's grounding-type inlet or receptacle.
- There are no user-serviceable components within the product. Refer all servicing to Lex Products.
- Do not modify dimmer or housing in any manner

### INTRODUCTION

Your Lex Products Slim Dimmer 1800 Watt Dimmer is a compact, basic use dimmer. It is designed to provide simple dimming for applications such as television and film location lighting, event lighting, and retail display lighting.

### INSTALLATION

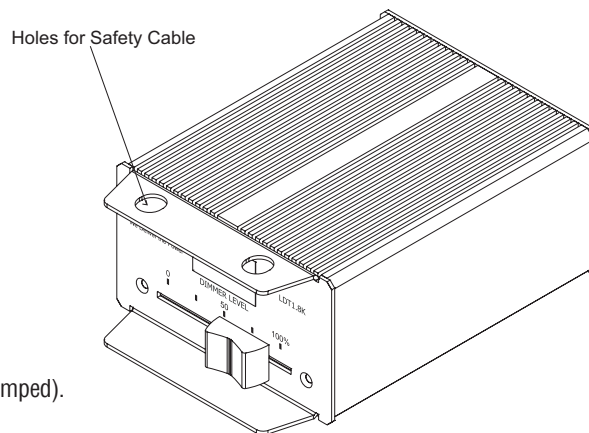
**Environment:** Locate the dimmer in a ventilated area free of excessive humidity or moisture. The dimmer is designed to function normally at an ambient temperature between 32° and 86° F (0°- 30° C). Operating the dimmer outside of that range may cause the dimmer to malfunction.



The dimmer case may get hot when operated at or near full load. With that in mind, the dimmer should only be hung or placed on flooring, equipment or furniture that is not susceptible to heat damage.

**Hanging:** If desired, a C-clamp may be attached to the dimmer for hanging, using a thread adapter and the 1/4"-20 threaded insert in the case of the dimmer. Lex accessory kit 04-160-A11 includes the C-clamp and the thread adapter. The 1/4"-20 threaded insert can also accommodate a variety of alternate photographic and motion picture mounting or hanging products. Additional thread adapters are available from Lex Products.

**Safety Cable:** If the dimmer is suspended overhead or is otherwise located where injury could result should the product fall, a safety cable (not included) must be used. The dimmer is equipped with two holes on the face of the enclosure through which a safety cable may be threaded. Secure the safety cable to a suitable fixed structure (such as around the pipe to which the dimmer is clamped).



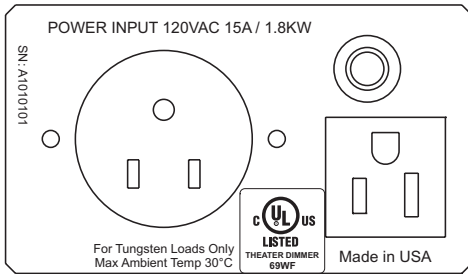
### ELECTRICAL CONNECTIONS

**Load (Power Output):** The Model LDT1.8K dimmer can control incandescent (tungsten) lamp loads up to 1,800 Watts total.

To prevent undue wear on the dimmer, the load should be either connected before the Line connection is made, or when the dimmer is set to zero output. Likewise, when disconnecting the dimmer and load, either disconnect the dimmer's supply or set it to zero output before disconnecting the load.

Plug the load into the dimmer's receptacle using a properly grounded and appropriately rated cable that is equipped with a NEMA 5-15P plug.

## ELECTRICAL CONNECTIONS (Continued)



**Connect only incandescent (tungsten) lighting loads.**

**Power Input (Line):** Select a grounding type 12 or 12 AWG extension cord with NEMA 5-15 (Edison) single female and male ends. The cord should easily and securely connect to the dimmer's inlet; do not use cords which connect excessively loosely or tightly, and do not use cords whose connector shape interferes with connection to the dimmer's inlet.

Connect the female end of the extension cord into the inlet on the back of the dimmer first. Then connect the other end of the extension cord (the male or plug end) into a 15A or 20A 120VAC, 60Hz grounded electrical receptacle.



**Do not power the unit from a dimmed circuit.**

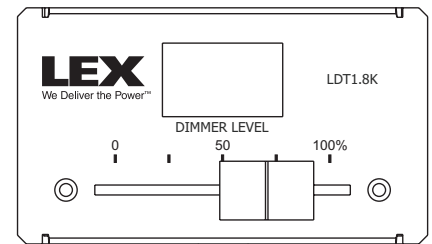
## OPERATION

The dimmer's digital display will illuminate when powered. Slide the dimmer's built-in fader to provide the desired lighting level. The digital display will indicate a percentage (0-100%), permitting the dimmer to be easily and repeatedly set to a specific level. It also permits multiple independent LDT dimmers to be easily set to the same level.

The dimmer is protected by an on-board 15 Amp, push-to-reset circuit breaker. During normal operation the breaker "button" will be flush with the surface of the unit. When the breaker is tripped, the button will pop up above the surface of the unit. If the on-board circuit breaker trips, verify load size and the integrity of the cables being used, then push the circuit breaker's "button" in to reset. If the breaker continues to trip, a serious fault exists with either the load cabling or the load itself. The fault must be rectified before the dimmer can be used.



**Do not attempt to defeat the circuit breaker.**



## FILTERING

The Lex Products Slim Dimmer 1.8kW is a compact dimmer with no output filtering. Depending on the lamp and fixture being dimmed, there may be some lamp noise (lamp sing) generated when the lamp is dimmed. For noise sensitive dimming applications use the full featured Lex Products 1.8kW Portable Single Dimmer.

## MAINTENANCE AND REPAIR

The dimmer requires no regular maintenance. There are no user-serviceable components in the dimmer. Refer all repair and service needs to Lex Products. Refer all service and technical support requests to Lex Products by either emailing [support@lexproducts.com](mailto:support@lexproducts.com) or calling 800.643.4460.

## ACCESSORIES

The following is a list of accessories for the LDT dimmer available from Lex Products:

04-160-A01	1/4" -20 to 3/8" -16 Male to Male Thread Adapter
04-160-A02	1/4" -20 to 1/2" -13 Male to Male Thread Adapter
04-160-A11	GET-A-GRIP™ CLAMP with Thread Adapter to 1/4" -20 Thread

## SPECIFICATIONS

*Subject to change without notice*

Dimensions: 5.94"L x 4.13" W x 2.38" H

Electrical Rating: 120VAC (nominal) 60Hz, 1800 Watts

Overcurrent Protection: 15A Push to Reset breaker

Weight: 1.6 lbs.



File # E206104