LDTAN - Overview

MADE IN USA



GENERAL DESCRIPTION

The **LDTAN** is a single-channel **PHASE** controlled **0-10V** dimmer converter module: it takes in a phase-cut dimmed line voltage, and outputs analog **0.9 - 10VDC** control signal, rated for a maximum sinking output current of **30mA.**

Power is fed to the **LDTAN** directly from the line dimmer and is equipped with a protective, replaceable fuse (0.5 A)

Please note that the unit does not output power, **only control**: The 0-10V dimmable lights will require **line power** separately, supplied directly from the breaker panel or from other control system relays.

0-10V CONTROL

With standard (1 mA. sinking) 0-10V controllable devices, up to (30) devices can safely use the same 0-10V signal from one **LDTAN** unit's output

ENCLOSURE INSTALLATION

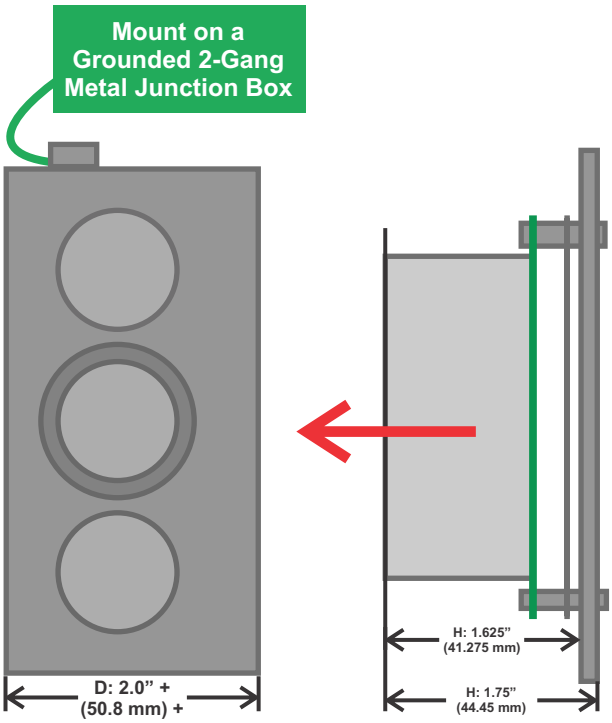
The **LDTAN** dimmer module has an open plate frame and is designed to mount on a grounded, **2-Gang** electric connection box: minimum **2" deep**.

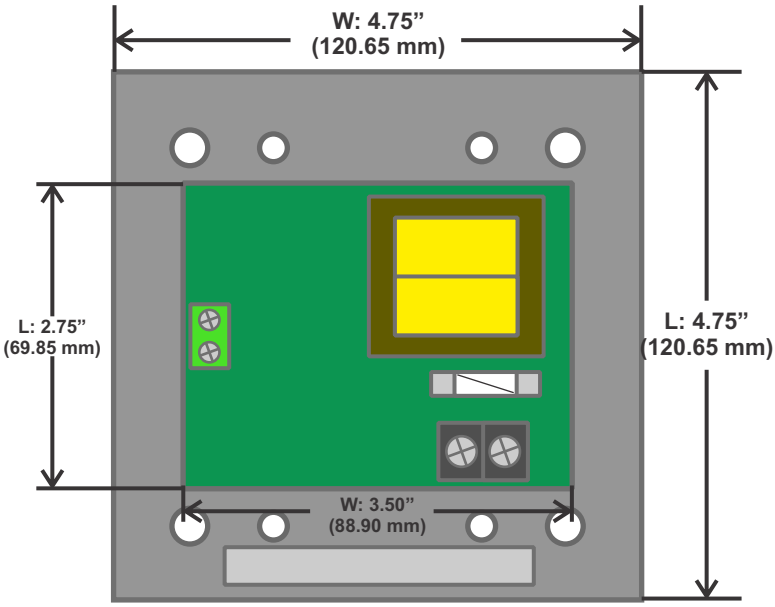
Mount the module in a well-ventilated area where the ambient temperature **DOES NOT** exceed **90° F** for full load operation, and allow **2"** of side clearance for proper air circulation.

NOTE

The dimmer module may create a buzzing noise and should not be located where this is objectionable.

LDTAN - Dimensions





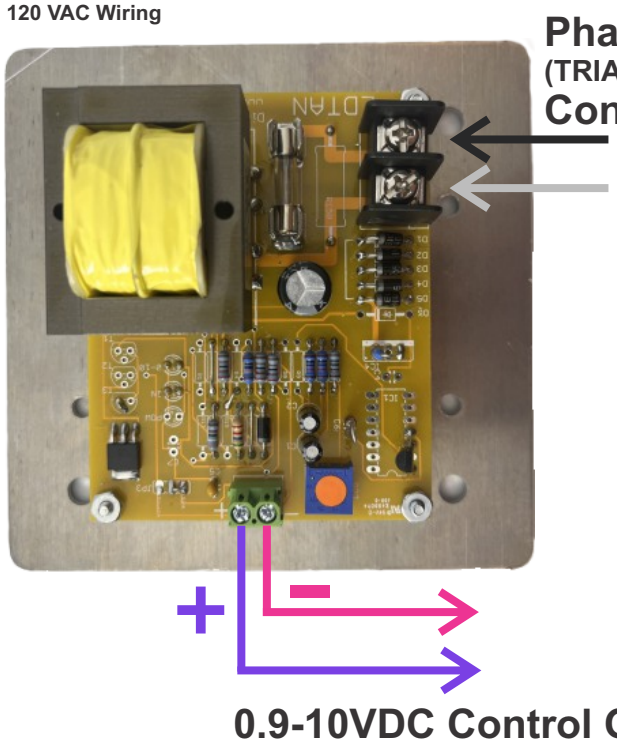
External Dimensions (with Front Panel):
L: 4.75" x W: 4.75" x H: 1.75"

Internal Dimensions (for 2-Gang interior):
L: 2.75" x W: 3.50" x H: 1.625"

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LDTAN - Power Wiring Instructions

CAUTION: ONLY LDTAN
120 VAC Wiring



INPUT: 220 VAC line dimmer (30 mA. min.)
OUTPUT: 0.9 - 10 VDC
at full load of **30 mA.** Sinking

LDTAN-120 works with 120V AC input
for other line voltage dimmer inputs, please contact the factory

NOTE:
0-10V dimmable lights require direct line power feed, separately

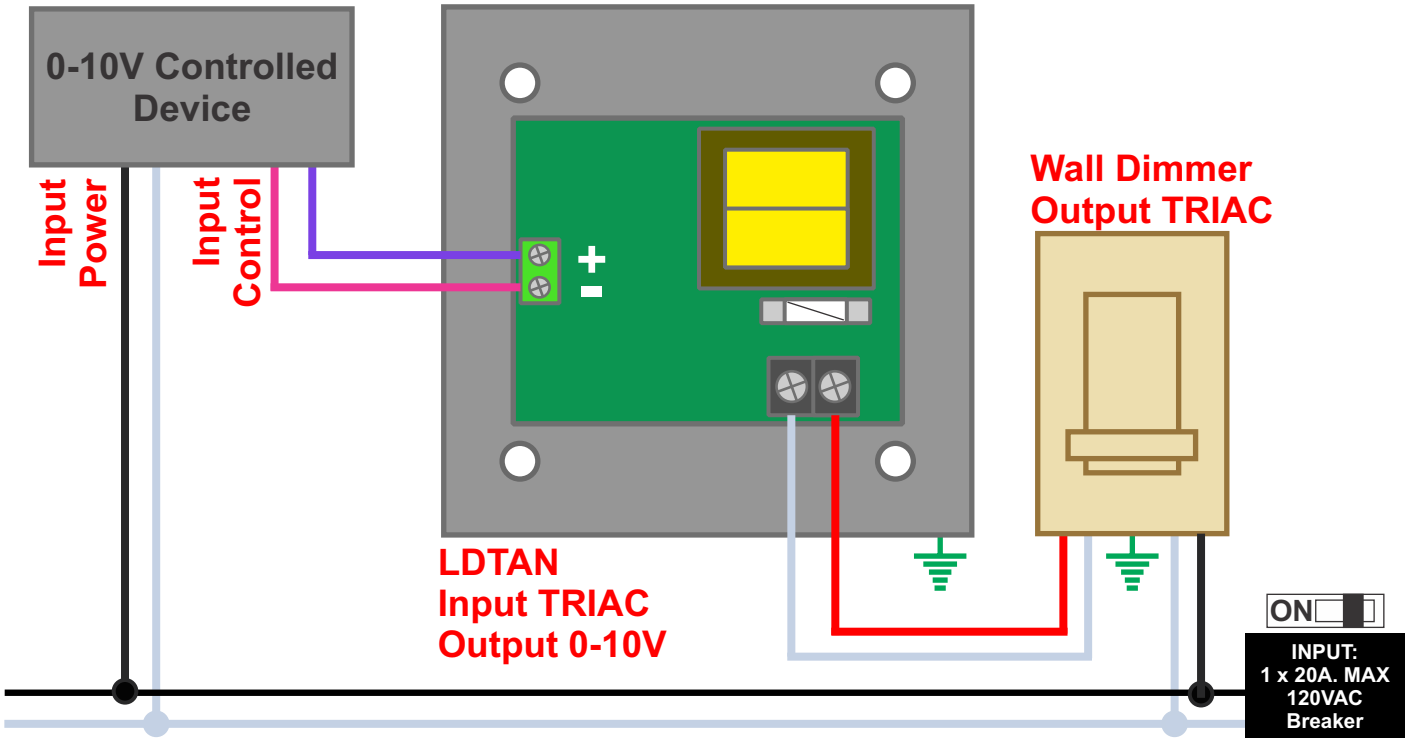
Response delay of MAX 4 seconds: if switching ON/OFF (directly from 100 to 0)

Input works with wall dimmers / TRIAC dimming systems that require a **Neutral Wire** (Dimmed Hot & Neutral Return: polarity does not matter)

Output works with 0-10V / 1-10V controllable lights & drivers (up to 30 devices, each with standard 1 mA. analog input)

Mounts on a standard 2-gang electric box (supplied by others)

LDTAN - Wiring Example



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LIMITED WARRANTY

Digital Lighting Systems, warrants to the purchaser that its products have been carefully manufactured and inspected and are warranted to be free from defects of workmanship and materials when used as intended. Any abuse or misuse contrary to normal operation shall void this warranty.

Digital Lighting Systems' obligation under this warranty shall be limited to replacement or repair of any units as shall within two years of date of invoice from **Digital Lighting Systems**, prove defective; and **Digital Lighting Systems** shall not be liable for any other damages, whether direct or consequential. **The implied warranties of merchantability and fitness for a particular purpose are limited to the duration of the expressed warranty**. Some states do not allow the exclusion of the limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, you may also have other legal rights which vary from state to state.

Defective merchandise may be returned to **Digital Lighting Systems**, prepaid, after prior notification has been given and approval obtained for the return. To obtain prior approval for the return of the defective items, contact your local Digital Lighting Systems distributor, representative, or:

Digital Lighting Systems, Inc.
12302 SW 128 Ct. Bay # 105
Miami, FL 33186

(305) 969-8442
info@digitallighting.com

Upon request, replacement unit(s) will be shipped as soon as available. Unless immediate shipment of replacement merchandise is requested, **Digital Lighting Systems** will not ship replacement merchandise until defective merchandise is received, inspected, and determined to be defective.

No labor charges in connection with warranty problems will be reimbursed by Digital Lighting Systems without prior written approval from the factory.

Digital Lighting Systems distributors and representatives have no authority to change this warranty without written permission.

Digital Lighting Systems reserves the right to determine the best method of correcting warranty problems.

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