

Digital Lighting Systems

DigitalLighting.com

305-969-8442



PD104-AN10

0-10V Controlled Dimmer Module
Forward Phase, Leading-Edge, TRIAC
1 x 4 A. Output



USER MANUAL - DATA SHEET

PD104-AN10
10/2026



PD104-AN10 - Overview

GENERAL DESCRIPTION

The **PD104-AN10** is a single-channel **0-10V** controlled **TRIAC** dimmer module: it takes in analog 0-10VDC control signal, and outputs forward phase, leading-edge dimming, rated for a maximum output current of **4 Amps (500 W. @ 120VAC / 1000 W. @ 277VAC)**.

Power is fed to the **PD104** from a breaker: 20 A. Maximum (powering up to four **PD104** modules) and is equipped with a protective, replaceable fuse (5 Amps)

0-10V CONTROL

The 0-10V control signals are optically-isolated from all line voltage elements, and the unit sinks 1-2 mA. on the control side. With standard (50mA.) 0-10V controllers, up to (25) **PD104** units can safely use the same 0-10V signal source.

ENCLOSURE INSTALLATION

The **PD104** dimmer module has an open plate frame and is designed to mount on a grounded, **2-Gang** electric connection box: minimum **2"** deep.

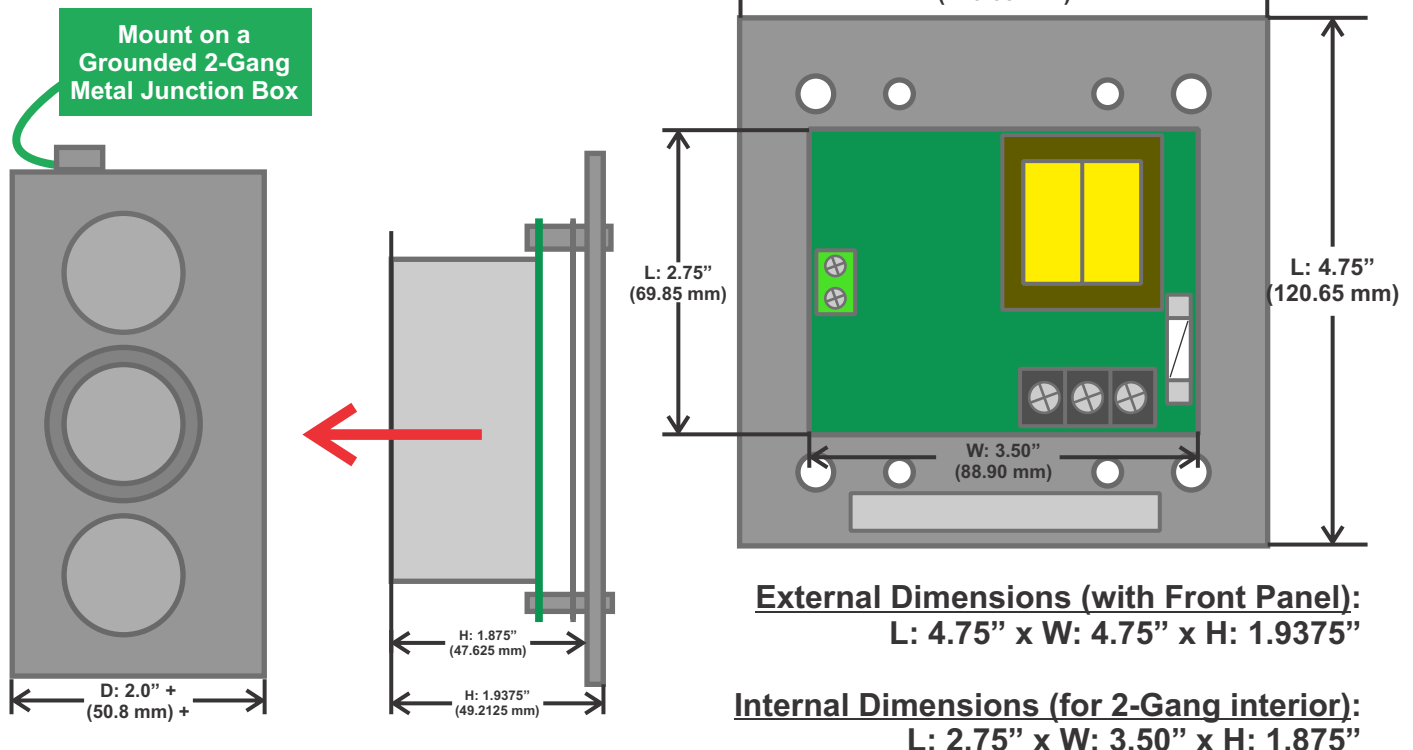
Mount the module in a well-ventilated area where the ambient temperature **DOES NOT** exceed **90° F** for full load operation, and allow **2"** of side clearance for proper air circulation.

NOTE

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



PD104 - Dimensions





PD104-AN10 - Power Wiring

[Model PD104-AN10-120]:

Do not exceed 500 W. per dimmer output
(4 AMPS @ 120 VAC).

[Model PD104-AN10-277]:

Do not exceed 1000 W. per dimmer output
(3.6 A. @ 277 VAC / 4 A. @ 240 VAC).

All wiring between the control source and dimmer modules is low voltage (NEMA Class 2).

PD104 dimmer module may be fed by up to one 20 A. (maximum) branch circuit (which can power up to four **PD104** units).

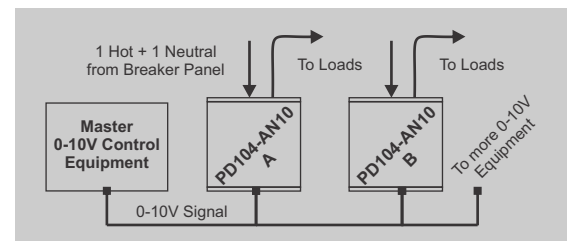
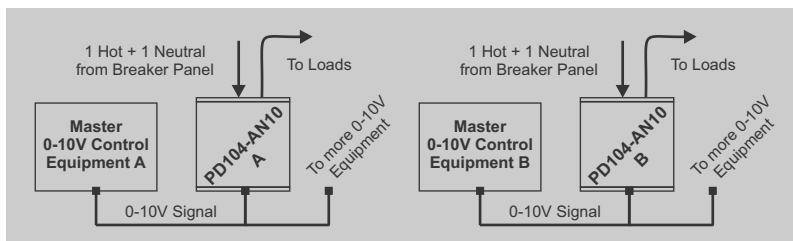
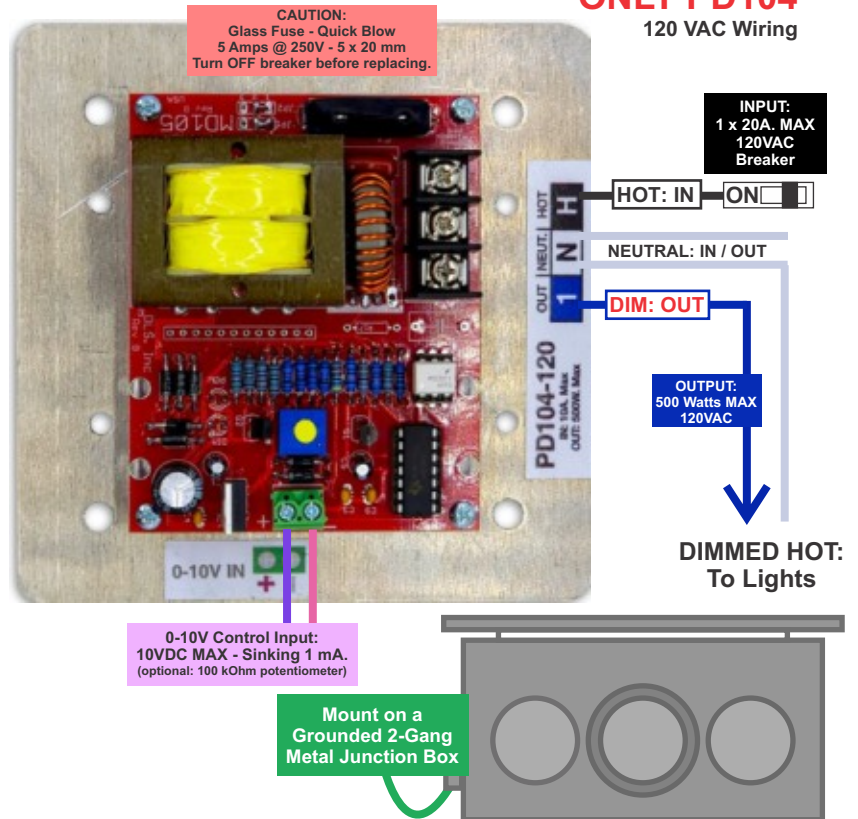
CAUTION: DO NOT attempt to **parallel outputs to increase capacity.**

Installations must conform to local and/or NEC code requirements, and must be performed by a qualified electrician.

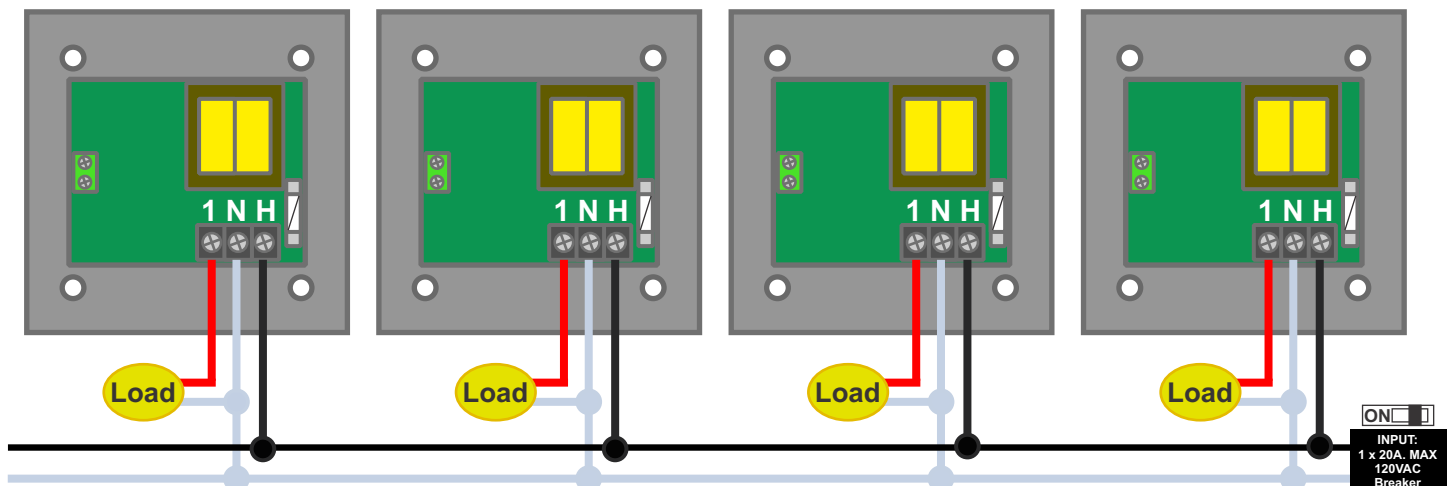
Each load must have its own Neutral wire for full load operation, and preventing cross interference.

All line voltage wires must have copper conductors of adequate Gauge with 90° C wire insulation.

MUST POWER EACH LOAD DIRECTLY BEFORE connecting to the **PD104** to ensure **PROPER WIRING.**



Wiring Example - Four PD104 on 20A. Circuit



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.