

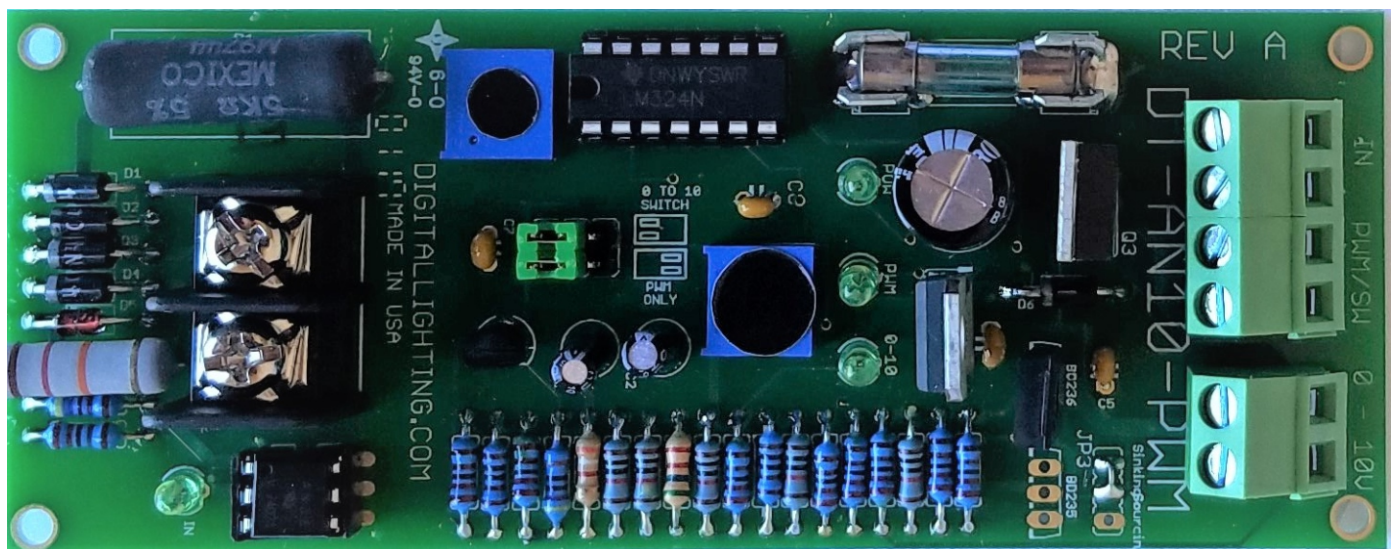


# Digital Lighting Systems, Inc.

## DT-AN10-PWM

Converter

from output of standard Triac dimmer  
to 1-10 V control output  
or PWM dimmer 12VDC to 24 VDC



**Made in the U.S.A.**

USER'S MANUAL

DT-AN10-PWM  
07/21



### PWM FUNCTION:

Converts dimming signal from standard 120 VAC dimmer to Pulse Width Modulated PWM dimmer for LED .  
INPUT : 12 to 24 VDC @ 10 Amps Max.  
OUTPUT : PWM dimmer 10 Amps Max.

### 1-10V FUNCTION:

Converts dimming signal from standard 120 VAC dimmer to a sinking 0-10V signal to control up to 25 1-10V dimmable devices.  
INPUT: **14 to 24 VDC** @ 300 mA.  
OUTPUTS :  
1-10 V control at full 25 mA load  
0.6-10V control at 5 mA load.  
& 5 Amps 12 VDC switch.

1-10 V Minimum Level adjustment ON/OFF Switch

PWM & 1-10 V output selector Jumpers

Input from 120 VAC dimmer  
Might require a resistive dummy load to operate properly.  
Resistor range : 3000 OHM to 6000

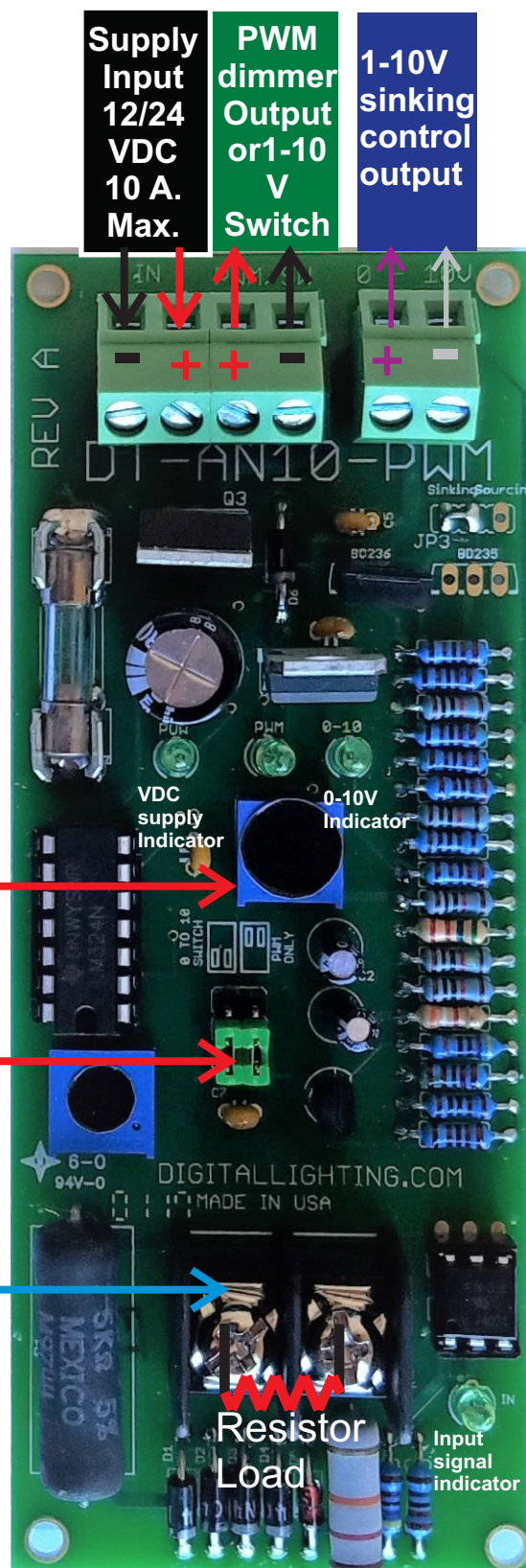
PC Board dimensions:

4.80" x 1.90" x 1.00"

Mounting Holes size:0.15"

Mounting Holes spacing on centers:

4.55" x 1.65"

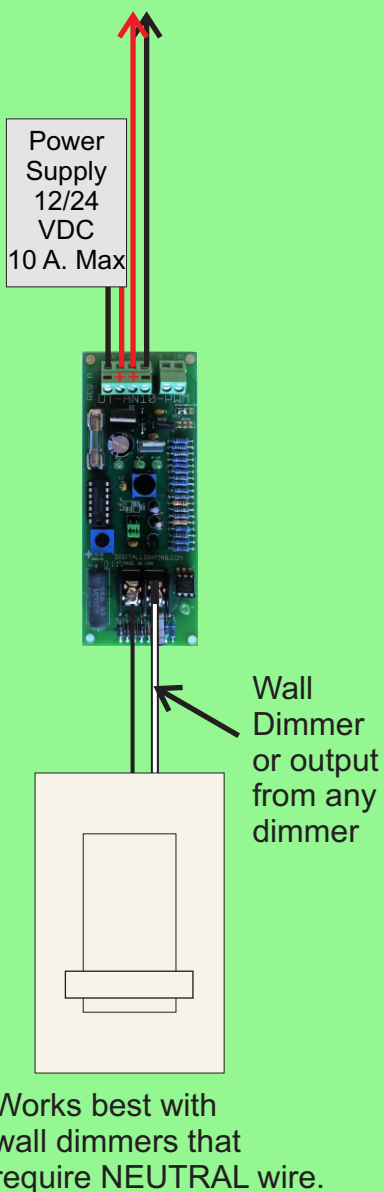


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## PWM FUNCTION:

PWM dimmer output to  
constant voltage LED lights  
12 or 24 VDC 10 A. Max.

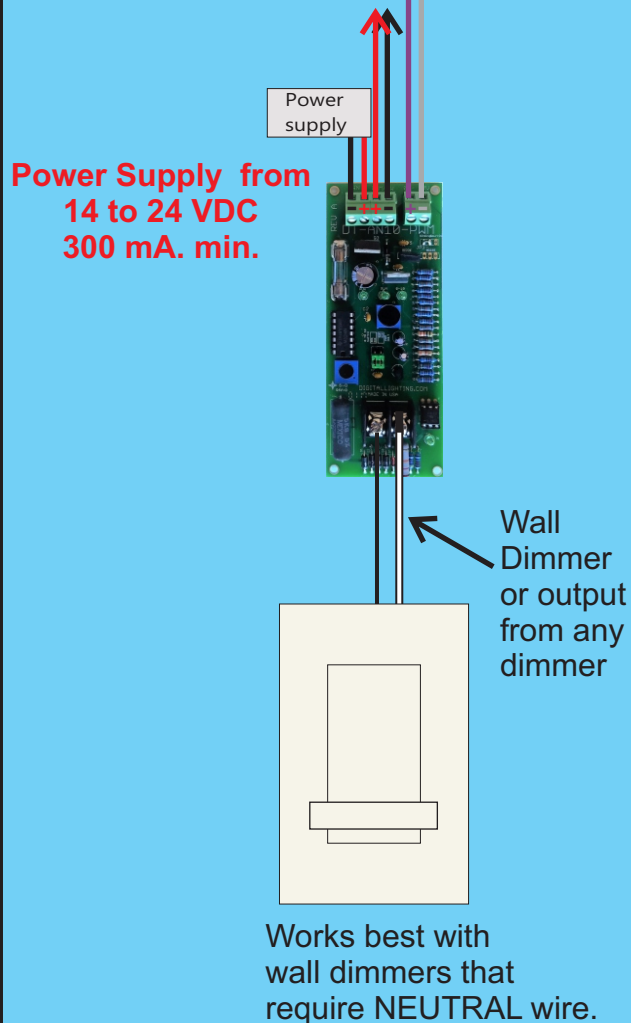


## 0-10V FUNCTION:

1-10 V dimming control  
signal to 1-10 V  
dimmable devices.

Adjustable minimum  
level Switched output.  
Turns ON/OFF input  
Voltage power to Load  
directly up to 5 A.  
or via a relay with 14

Power Supply from  
14 to 24 VDC  
300 mA. min.



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## **LIMITED WARRANTY**

Digital Lighting Systems, warrants to the user 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 that within two years from 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, shipping 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.  
Attn: Customer Service Department  
12302 SW 128th ct, # 105  
Miami, FL 33186  
(305) 969-8442



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.