



**IDP104/IDW104**  
**DMX OPTICAL ISOLATOR**  
**(1 UNIVERSE - 4 OUTPUT)**  
**OWNERS MANUAL**

Version 0.2  
04/21/2022

**DESCRIPTION**

The IDP104/IDW104 are optically isolated DMX splitters with one DMX input and four independent DMX output circuits.

The DMX input is overcurrent and overvoltage protected in each of the three DMX lines (Data-, Data+, and Common).

Each of the four DMX output circuits also have overcurrent and overvoltage protection in each of the three DMX lines (Data-, Data+, and Common).

The IDP104/IDW104 are powered by an external, low voltage, power supply which is provided with the unit.

**PORTABLE UNIT: IDP104**

This version is supplied in a compact portable box with 5 pin XLR connectors for DMX IN and DMX OUT.

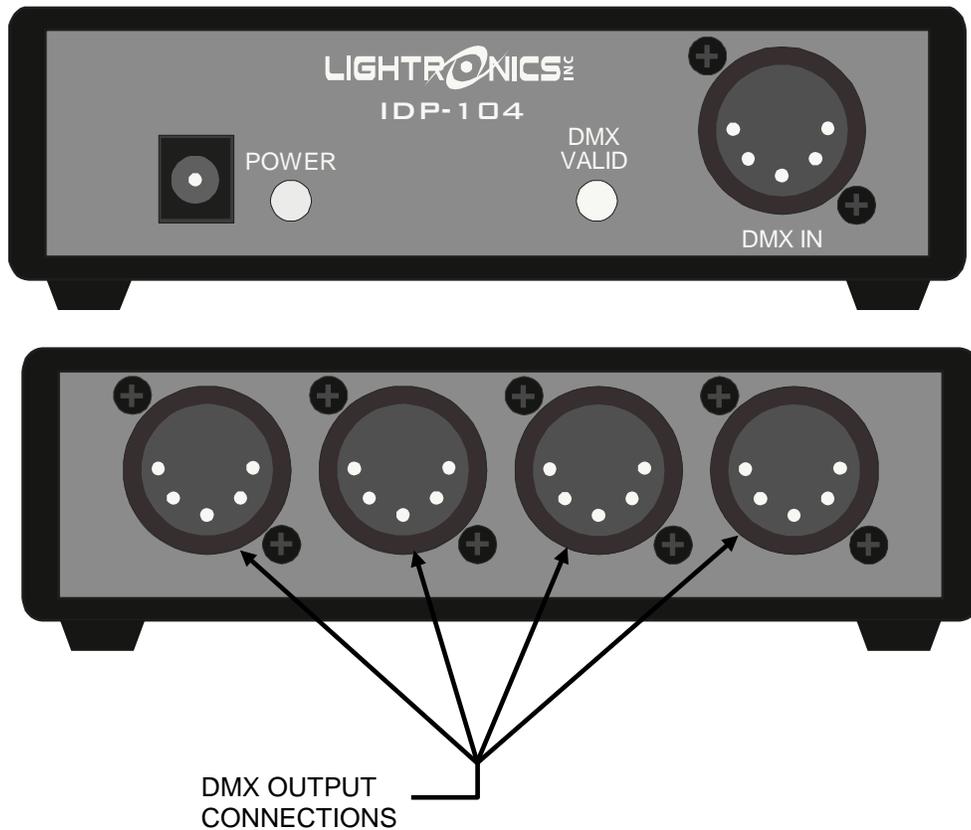
The unit's dimensions are 5.125"W X 1.75"H X 5.25"D.

**WALL MOUNT UNIT: IDW104**

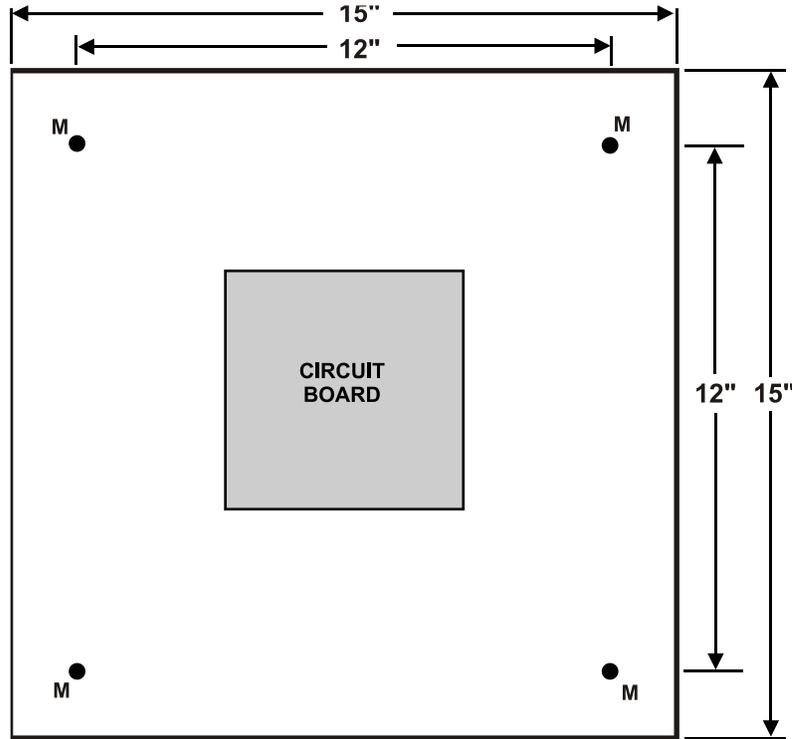
The wall mount version is supplied in a metal box with appropriate mounting holes. Knockouts are provided for signal access. DMX IN and DMX OUT connections are via terminal strips with screw down terminals.

The unit's dimensions are 15"W X 15"H X 3.25"D.

PORTABLE UNIT FRONT AND BACK VIEW



IDW104 WALL MOUNT UNIT FACE

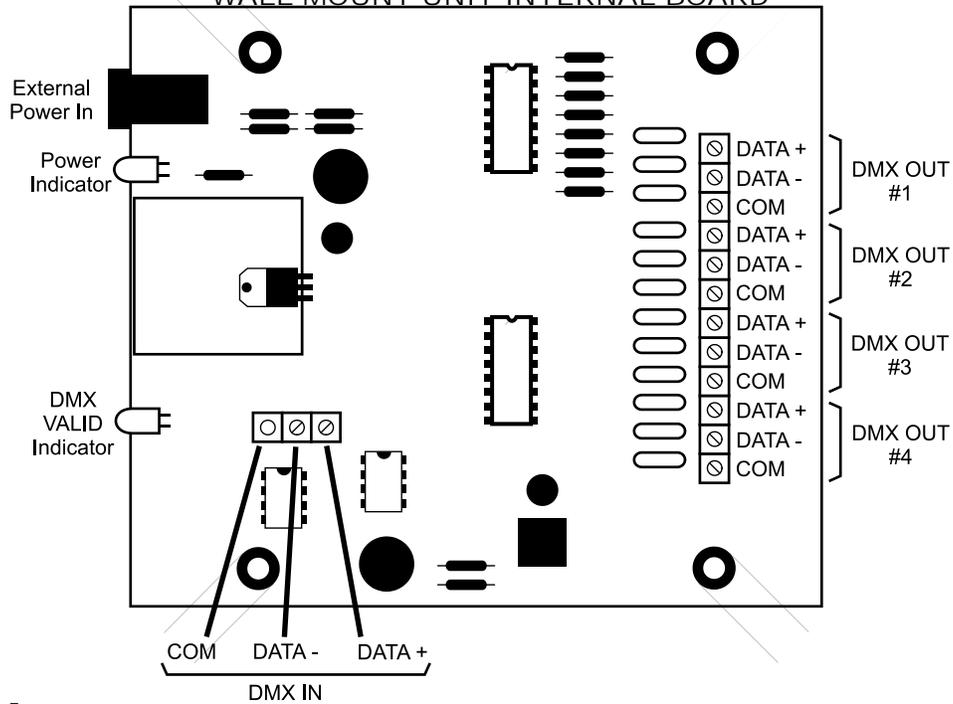


Chassis depth is 3.25".

M = Mounting Holes: 0.255" DIAM. Will accept a 1/4 - 20 bolt.

Four dual knockouts are provided on each side and on the top and bottom.

WALL MOUNT UNIT INTERNAL BOARD



**INSTALLATION**

Diagrams in this manual show all signal and power connections for both the portable and wall mount units.

**POWER SUPPLY**

The IDP104/IDW104 will operate using any external power supply which can provide 12 - 24 Volts AC or DC at 600 mA minimum. The size of the power input connector on the unit is 2.1mm X 5.5mm. If an external DC power supply is used, the center pin of the connector **MUST** be the **POSITIVE** side of the supply.

The power supply normally provided with unit is 12VDC, 1 Amp.

**OPERATION**

Operation is automatic when the power supply and a DMX input signal are connected. The front panel contains a power indicator LED which is lighted when power is applied. A "DMX VALID" LED indicator is lighted when a DMX input signal is present.

**MAINTENANCE**

There are no user serviceable parts in the unit. Internal service on the unit by other than Lightronics authorized agents will void the warranty.

Dealer and Lightronics factory personnel can help you with operation or maintenance problems. Please read the applicable parts of this manual before calling for assistance.

If service is required - contact the dealer from whom you purchased the unit or contact Lightronics, Service Dept., 509 Central Drive, Virginia Beach, VA 23454 TEL: (757) 486-3588.

**WARRANTY INFORMATION AND  
REGISTRATION - CLICK LINK BELOW**

[www.lightronics.com/warranty.html](http://www.lightronics.com/warranty.html)