



Lightronics IDW112 DMX Optical Isolator Instruction Manual

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**IDW112
DMX Optical Isolator
1 Universe – 12 Outputs
Version 0.3
06/18/2023
IDW112 DMX OPTICAL ISOLATOR
OWNER'S MANUAL**

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DESCRIPTION

The IDW112 is an optically isolated DMX splitter with one DMX input and twelve 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 twelve DMX output circuits also have overcurrent and overvoltage protection in each of the three DMX lines (Data-, Data+, and Common).

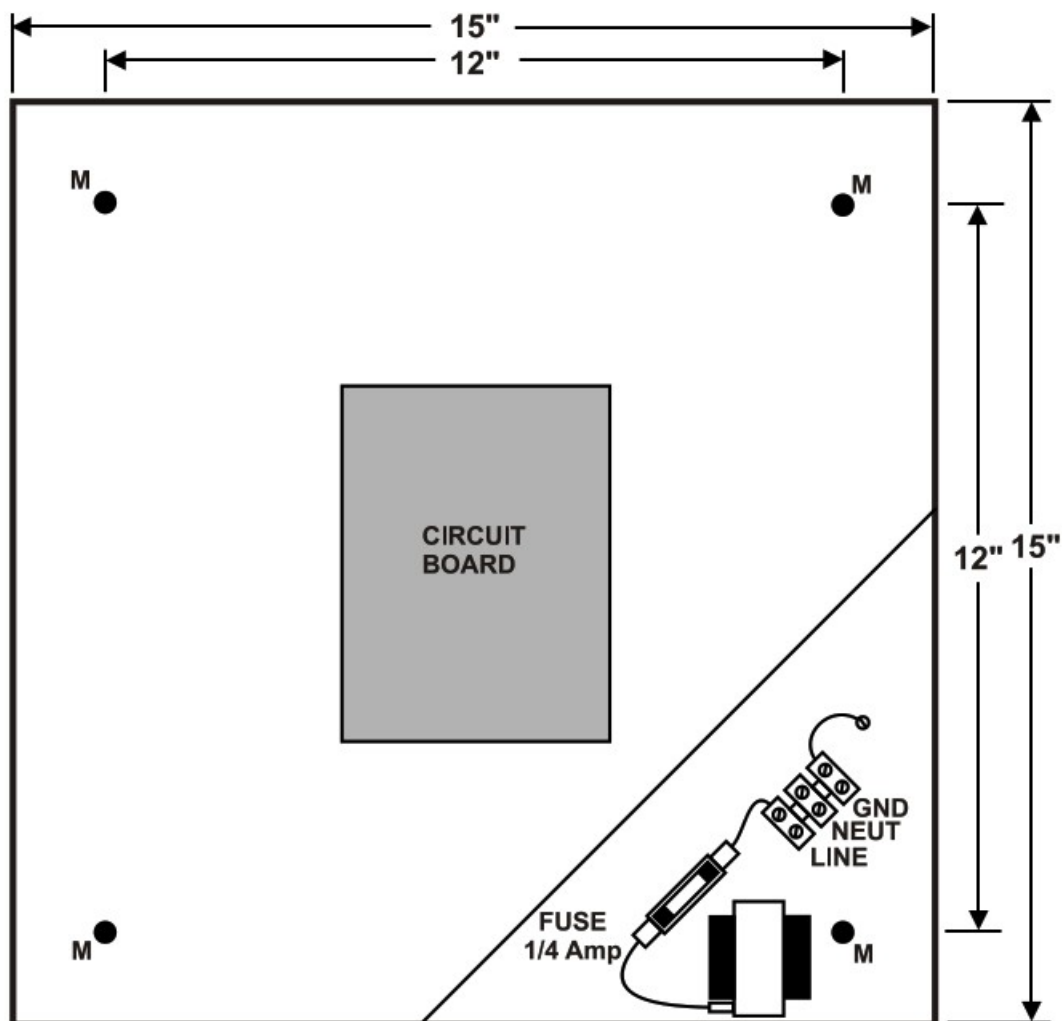
The unit is supplied in a wall mount metal box with appropriate mounting holes. Knockouts are provided for power and signal access.

The IDW112 is intended for INDOOR USE ONLY.

DMX IN and DMX OUT connections are push on connectors with screw down terminals.

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

IDW112 FACE VIEW (Cover Removed)

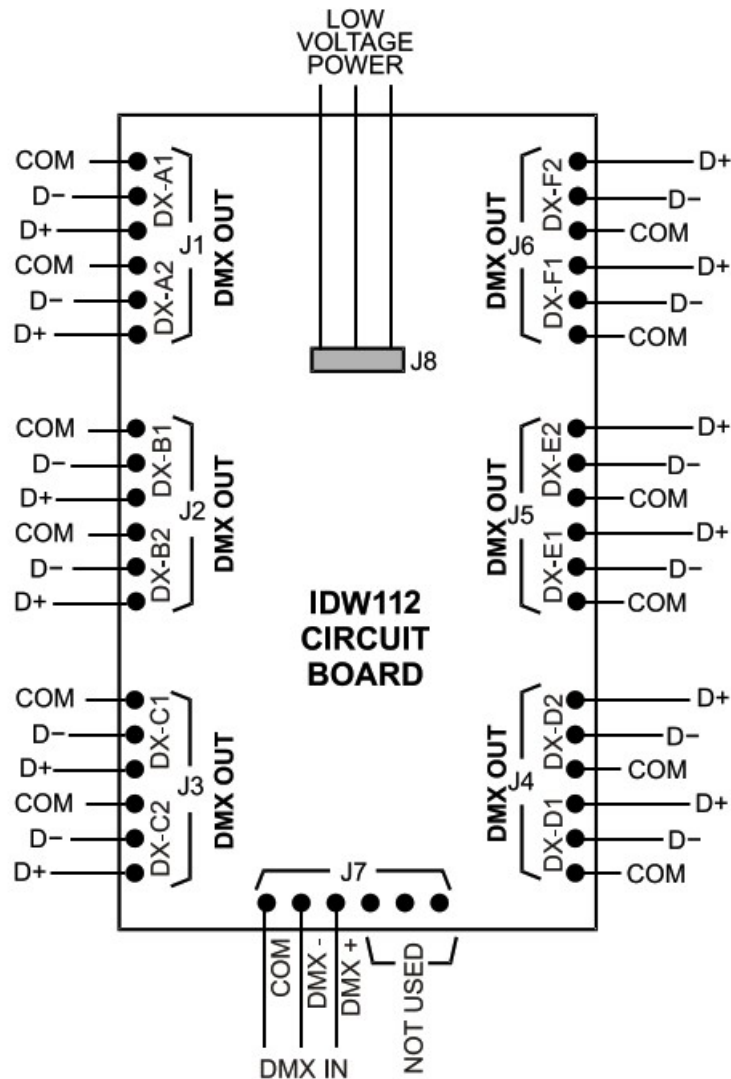


Chassis depth is 3.25".

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.

IDW112 INTERNAL CIRCUIT BOARD



INSTALLATION



WARNING

RISK OF ELECTRIC SHOCK



WARNING

RISK OF FIRE

REMOVE ALL POWER FROM THE UNIT BEFORE MAKING OR CHANGING ANY CONNECTIONS
POWER SUPPLY

The IDW112 operates from 120 VAC, 60Hz power and has a 1/4 Amp fuse. Power should be connected to the three pole terminal strip as shown in the diagram IDW112 FACE VIEW.

SIGNAL CONNECTIONS

All DMX input and output connections are made directly on the circuit board.

Six push on connectors with screw down terminals are provided for the DMX outputs. There are two DMX output signals on each connector. Each DMX output signal consists of three connector terminals (COM, D-, D+). The diagram IDW112 INTERNAL CIRCUIT BOARD above shows all signal connections.

OPERATION

Operation is automatic when power is applied, and a DMX input signal is connected.

The circuit board contains a RED LED indicator which is on when power is applied.
The GREEN LED indicator is on when a DMX input signal is present.

MAINTENANCE

FUSE REPLACEMENT



WARNING

RISK OF ELECTRIC SHOCK



WARNING

RISK OF FIRE

REMOVE ALL POWER FROM THE UNIT BEFORE HANDLING OR REPLACING THE FUSE

The fuse is shown in the IDW112 FACE VIEW diagram. Replace the fuse ONLY with a 1/4 Amp, 250V, Fast Acting Fuse. The fuse is 1 1/4" long and 1/4" diameter.

OTHER USER MAINTENANCE

There are no other 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 Department, 509 Central Drive, Virginia Beach, VA 23454.

WARRANTY INFORMATION AND REGISTRATION – CLICK LINK BELOW

www.lightronics.com/warranty.html


www.lightronics.com

Lightronics Inc.

509 Central Drive, Virginia Beach, VA 23454

757 486 3588

Documents / Resources

	<p>Lightronics IDW112 DMX Optical Isolator [pdf] Instruction Manual IDW112 DMX Optical Isolator, IDW112, DMX Optical Isolator, Optical Isolator, Isolator</p>
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References

- [Lightronics - Complete Lighting and Control Systems](#)
- [Lightronics Lighting Control Product Warranty Information](#)