



IDW206
DMX Optical Isolator
2 Universe - 6 Outputs Each

Version 0.3
06/18/2023

**IDW206 DMX OPTICAL ISOLATOR
OWNER'S MANUAL**

Version 0.2

06/16/2023

DESCRIPTION

The IDW206 is an optically isolated DMX splitter for two DMX universes. Each universe has six independent DMX output circuits.

Each 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).

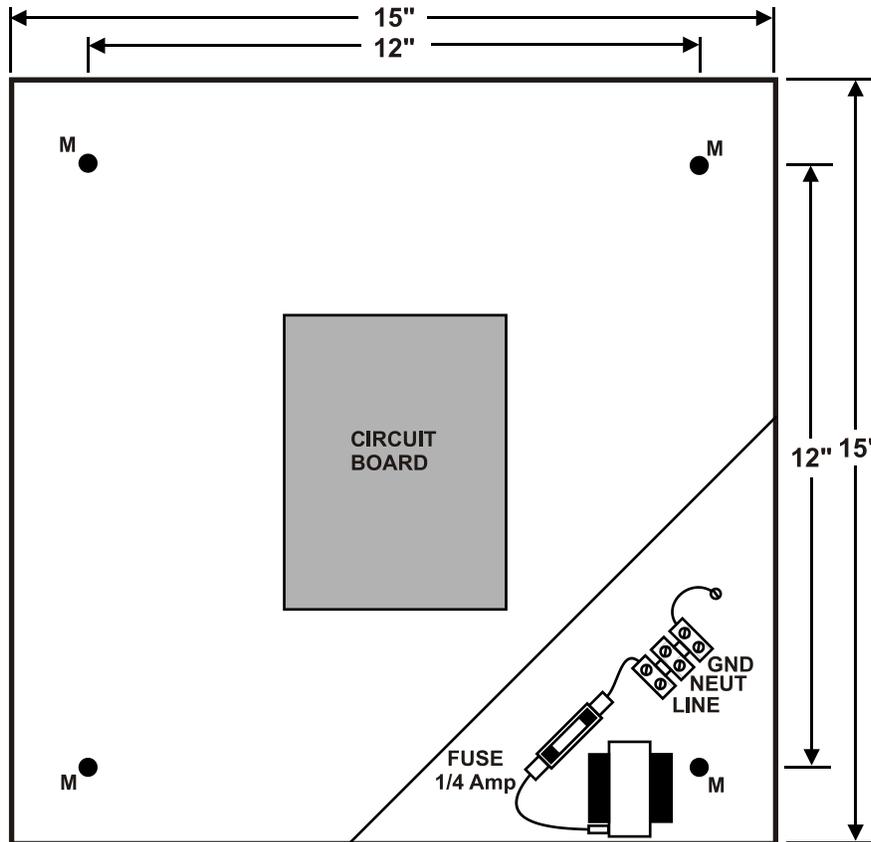
The unit is supplied in a wall mount metal box with appropriate mounting holes. Knockouts are provided for power and signal access.

The IDW206 is intended for **INDOOR USE ONLY**.

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

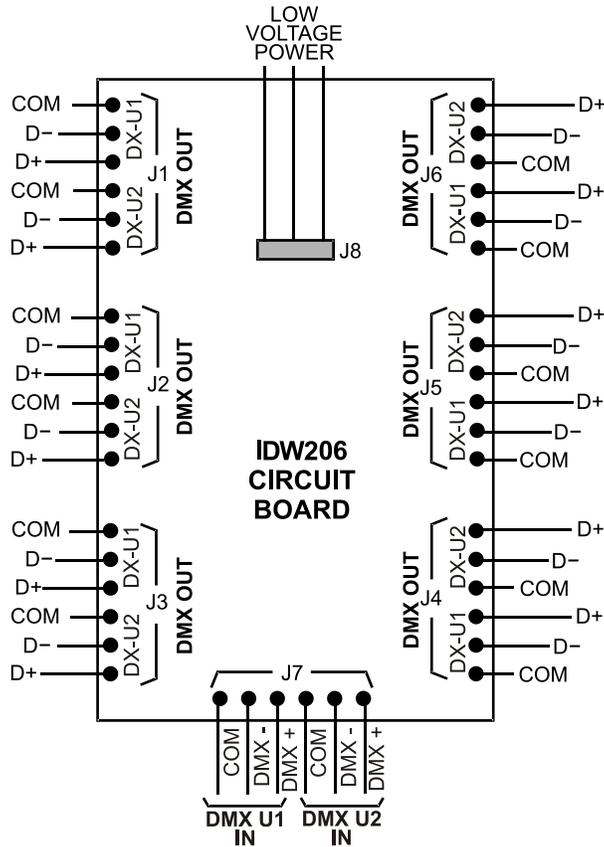
The unit's dimensions are 15"W x 15"H x 3.25"D.
The unit weight is 9 lbs.

IDW206 FACE VIEW (Cover

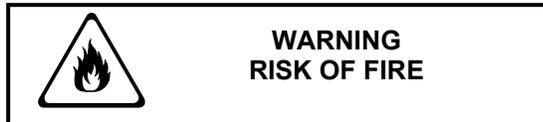
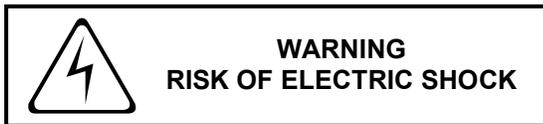


Chassis depth is 3.25".
M = Mounting Holes: 0.255" DIAM. Will accept a 1/4 - 20 bolt.
Four dual knockouts are provided on each side and on the top and bottom.

IDW206 INTERNAL CIRCUIT BOARD



INSTALLATION



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

POWER SUPPLY

The IDW206 operates from 120 VAC, 60Hz power and has a 1/4 Amp fuse. Power should be connected to the 3 pole terminal strip as shown in the diagram IDW206 FACE VIEW.

SIGNAL CONNECTIONS

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

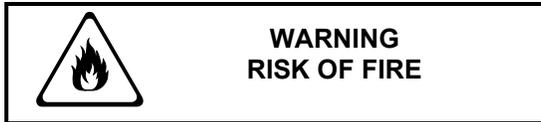
Six push on connectors with screw down terminals are provided for the DMX outputs. There are two DMX output signals on each connector, one for each universe. Each DMX output signal consists of 3 connector terminals (COM, D-, D+). The diagram IDW206 INTERNAL CIRCUIT BOARD above shows all signal connections.

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.

A **GREEN** LED indicator for each universe is on when its DMX input signal is present.

MAINTENANCE**FUSE REPLACEMENT****REMOVE ALL POWER FROM THE UNIT BEFORE
HANDLING OR REPLACING THE FUSE**

The fuse is shown in the IDW206 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