

Instructions for the Safe Operation and Use of the HITCH HIKER™ Dimmer
Model #DM-1200 - SAVE THESE INSTRUCTIONS

OBSERVE ALL SAFETY AND OPERATING INSTRUCTIONS BELOW:

- Caution!** Read and understand these entire instructions before proceeding!
- Caution!** This unit is to be used in DRY locations only. Always store indoors.
- Caution!** Do not use this dimmer in any way for which it was not intended.
- Caution!** Disconnect power before servicing or changing a fuse.
- Caution!** Operate this dimmer according to the electrical and temperature ratings on the dimmer label.
- Caution!** Connect this dimmer to a GROUNDED, 3 pronged receptacle only.
- Caution!** This dimmer must be used with resistive loads only (incandescent and quartz-halogen).
- Caution!** Do not power module from a dimmed source.
- Caution!** Do not use this dimmer on luminaires containing a ballast (HID, fluorescent, e.g.).
- Caution!** Do not use this dimmer with a luminaire that contains a fan.
- Caution!** Do not use this dimmer if there are any damaged wires, cords or other parts.
- Caution!** Keep heat sink fins free from dust and debris.
- Caution!** Do not operate dimmer unless there is at least 1" (2.54CM) of air space around heat sink.
- Caution!** Save these instructions for future reference.

This product is covered by one or more of the following patents: 6,175,201 & 6,369,524; others pending.

SPECIFICATIONS:

Mechanical:

Dimensions: 3.25" (83mm) H x 4" (102mm) W x 6.75" (171mm) L
Weight: 5 lbs. (2.3 kg)
Construction: Extruded Aluminum
Color: Black Standard, Custom Colors Available

Thermal:

Cooling Method: Convection
Max. Ambient Operating Temp.: 40°C

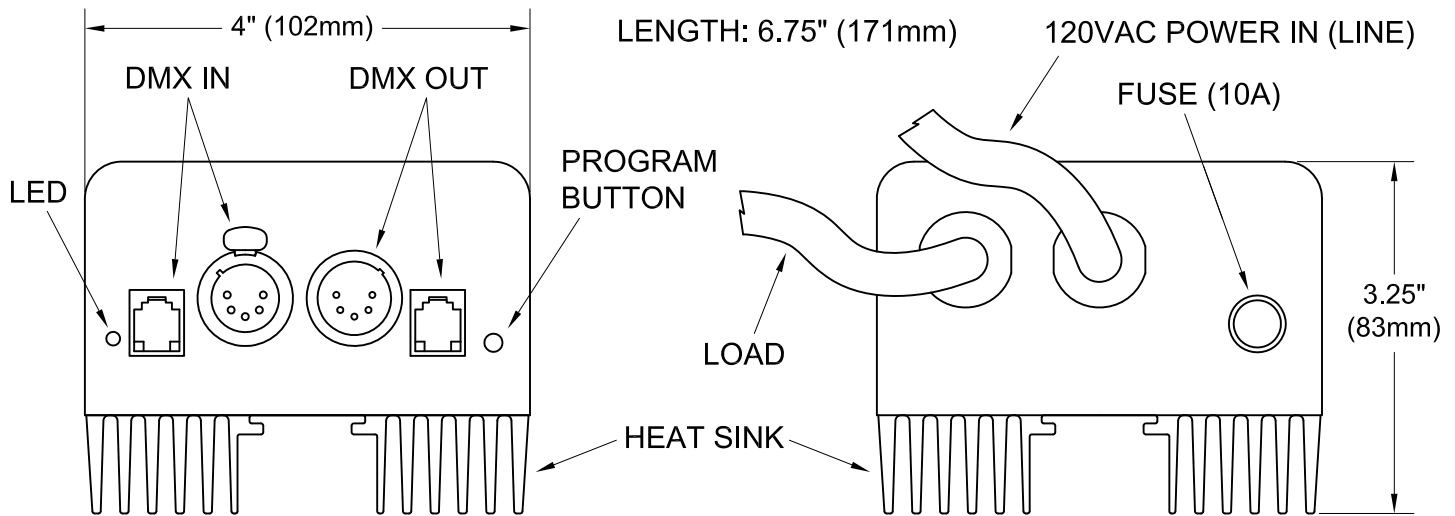
Electrical:

Input: 120Vac, 60Hz
Capacity: 1200 Watts
Choke: Encapsulated
Rise time: 330ms
Fuse: 3AG, 10 Amp., 120V

Control:

DMX512/1990
5 Pin Neutrik XLR In/Out
RJ14 In/Out
Maximum Units w/o Splitter: 32

Listings: ETL, cETL



INSTALLATION AND OPERATION (please refer to the diagrams above):

Place dimmer on a flat, level surface or hang from optional mounting bracket (shown in diagram to the right). NOTE: The mounting bracket is provided with a .515" bolt hole on the top). Plug a luminaire (load) into the dimmer. Plug the dimmer into a grounded receptacle. This dimmer module may be operated as a stand-alone unit, with light levels set without a control console, or with light levels set using a control console via DMX.

STAND-ALONE OPERATION:

After the load has been connected to the dimmer, simply press and hold the program button until the luminaire reaches the desired intensity level, then release the button. That level will now be maintained. Pressing and holding the button again will gradually lower the intensity until you release the button. At this point the luminaire will remain at that lower level. This process may be repeated as often as desired.

NOTE: Any intensity level that is left unchanged for 15 seconds will be stored in memory. Once an intensity level is stored, pressing the button again and immediately releasing will turn the luminaire completely off. Pressing the button again and immediately releasing will cause the dimmer to return to its stored light level. Changing the intensity is accomplished as outlined in the first paragraph. Any new intensity level left unchanged for 15 seconds will replace the level previously stored in memory. NOTE: Any level stored in memory will remain there even if the unit is disconnected from the power source.

CONSOLE OPERATION:

Connect the dimmer(s) to the console via DMX cable and set all levels to zero at the console. To program a dimmer to a certain channel (address), set that level to 100% on the console. Simply press the program button rapidly until the LED flashes. The dimmer will now respond to that channel. If more than one channel is set to 100%, the dimmer will respond to the lowest numbered channel only. NOTE: These dimmers may be daisy-chained via DMX cable or standard RJ14 (4 conductor) telephone cable, and each programmed to different channels. Also, if more than 1 dimmer is in program mode at the same time, they can all be programmed to respond to the same channel. When dimmers are operated in a daisy-chain control scheme, the last dimmer should be outfitted with a standard 120ohm terminating resistor. NOTE: Any channel stored in memory will remain there even if the unit is disconnected from the power source.

CAUTION! Standard RJ14 (4 conductor) telephone cable should work in most instances, but may not work in all. If data transmission problems occur, it is recommended that standard shielded DMX cable with XLR connectors be used.

WARNING! When using standard telephone cable for data lines, insure that the connectors are wired such that pin 2 on one jack is connected to pin 2 on the other, pin 3 to pin 3, and so on. Any other wiring scheme may damage the dimmer.

