

Model 80500, 80500P (w/installed MultiNeon PCDesigner® 1)

The More Powerful Big Brother of the Color/FX Creator 1, an Equally Economical, Off-the-Shelf, Alternative to Custom Engineered Neon Systems

What is it?

- An electronic control unit that mixes the light output of three neon tubes (e.g. red, green and blue) to create any color of the spectrum. Total possible colors — 16.8 million.
- Fixed installation model for large scale architectural projects.
- The Color/FX Creator 2 has flashing, dimming and sequencing capability. The time and duration of each color segment is controlled by the DMX system.
- Available model option with installed PCDesigner® 1*, to store custom designed FX programs.
- Uses include:
 - Large scale interior area color changing.
 - Full color range neon dimming of cove lighting for restaurant, club or lobby.
 - Special effect accent lighting for nightclub, theater, retail, etc.
 - Variable color Channel Letters.
- Operational in 3 DMX modes:
 - Stand-alone (Master/Slave, with built-in programs)
 - External DMX control board
 - Internally installed MultiNeon PCDesigner® 1, which replaces a DMX control board to run the Color/FX Creator 2 (model 80500P).



Front



Back

Application:

The MultiNeon Color/FX Creator® 2 is a full range three channel neon dimmer, neon color blender, and neon sequencing system. At 960VA max. per channel, one MultiNeon Color/FX Creator 2 can fluidly control an average 3 x 64 feet of neon lighting, at 60 mA. (i.e. Eight 8 ft units 15mm argon-mercury per channel). At 30 mA, the neon tube length can be doubled. It is fully DMX-512 (1990) compliant, and can also run 7 stand-alone programs. It's unique learning mode* makes DMX addressing and threshold level trimming a simple one switch operation. It's features allow a wide range of applications which include architectural and environmental lighting, entertainment venue's, and animated and/or color changing neon signage

Specification:

Neon or cold cathode dimmer and controller shall be listed in compliance with UL-508 & CAN/CSA-C22.2 No 1495 for use with UL-2161 compliant, dimmable neon power supplies. It shall be fully DMX-512 compliant and capable of running 7 internal stand-alone programs. It shall be for conduit connected indoor use only.

* Patent for DMX addressing mode: 6,175,201.

Installed Stand Alone Programs Note: unit is factory shipped in slave mode, ready to run stand alone program #1.

Program/Effect	Sw.#4	Sw.#5	Sw.#6	Program/Effect	Sw.#4	Sw.#5	Sw.#6
#1 Fast Normal Chase 1 on, 1 off & 2 on, 2 off & 3 on. 3 off & 1 on. Etc. (1/2 sec per step)	Off	Off	On	#5 Medium Normal Spell! 1 on (stays on), 2 on (stays on), 3 on (stays on). All off. Repeat. (2 sec per step).	On	Off	On
#2 Medium Normal Chase 1 on, 1 off & 2 on, 2 off & 3 on. 3 off & 1 on. Etc. (2 sec per step)	Off	On	Off	#6 Medium Soft Spell 1 fades on (stays on), 2 fades on (stays on), 3 fades on (stays on). All fade off. Repeat. (2 sec per step).	On	On	Off
#3 Fast Soft Chase 1 fades on, 1 fades off as 2 fades on, 2 fades off as 3 fades on. 3 fades off as 1 fades on. Etc. (2 sec per step)	Off	On	On	#7 Rainbow 4 sec fade up ch 1 (red). 4 sec fade up ch 2, ch 1 remains high (yellow). 4 sec fade down ch 1 (green). 4 sec fade up ch 3 & fade down ch 1 & 2 (blue). 4 sec fade up ch 1, ch 3 remains high (purple). 4 sec fade up ch 2, ch 1 & 3 remain high (white). 4 sec fade down all channels.	On	On	On
#4 Medium Soft Chase 1 fades on, 1 fades off as 2 fades on, 2 fades off as 3 fades on. 3 fades off as 1 fades on. Etc. (4 sec per step)	On	Off	Off				

* The MultiNeon PCDesigner® 1 is an optional accessory which replaces a DMX control board to run the Color/FX Creator 1. For more information on this combined software/hardware unit, see PCDesigner 1 Specifier Sheet.

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TECHNICAL SPECIFICATIONS

GENERAL

Use: Indoors only

Supplied contents: Color/FX Creator® 2, instruction booklet

INPUT:

Voltage: 120 Volts AC

Frequency: 50/60 Hz

Operating current: 0.2A - 25A (max) (depends on load and/or DMX value)

OUTPUT per channel:

Voltage: 0-120 VAC (depends on load and/or DMX value)

Max output: 8A

Connection type: Fixed conduit installations

PHYSICAL

Dimensions: L-12.4" x W-7.6" x H-4.3"

Weight: 2.8 lbs

Housing: Sheet metal with black scratch resistant paint

Operating temperature: -10°C to + 45°C

Storage temperature: -20°C to + 85°C

Heat dissipation: Free convection

Air flow requirements: Allow for free air convection

If unit shipped or transported, allow at least 4 hours before operating to avoid condensation.

DATA

INTERFACE OPTIONS:

Serial: USITT DMX-512, 1990

DMX addressing: Non DIP-switch, patented remote addressing, 1-512 address. Unit responds to the base address (user selectable) and next two consecutive channels.

DMX values: Base address: channel 1 control, (base add + 1) channel 2, (base add + 2) channel 3.

Master/Slave: Up to 1 master and 31 slaves per differential pair.

Stand alone: Factory loaded programs.

AGENCY APPROVALS

ITS independent laboratory testing for UL-1472 & CAN/CSA- C22.2 No 184.1 compliance, ETL listed (pending).



WARRANTY

MultiNeon Ltd warrants that MultiNeon products under normal use in accordance with operating instructions, will perform to the specifications published by MultiNeon Ltd. at the time of purchase, for two (2) years, from the date of purchase by the consumer.

In the event of a defect reported by the consumer within the applicable time period, if any, MultiNeon Ltd. will, at its option, replace or repair the defective merchandise at no charge to the consumer for either parts or labor.

PATENTS

U.S. - 6,169,376 (MultiNeon Color/FX Creator)

U.S. - 6,175,201 (DMX addressing mode)

Foreign patents pending.

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As part of its policy of continuous research and product development, MultiNeon Ltd. reserves the right to change or withdraw specifications without prior notice.

MultiNeon[®]LTD.

YES! We Make Neon Change Colors!™

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