

**Model 80200**

### An 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.
- The Color/FX Creator 1 has flashing, dimming and sequencing capability. The time and duration of each color segment is controlled by the DMX system.
- 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 5 DMX modes:
  - Stand-alone (Master/Slave)
  - External DMX control board
  - Optional IR remote via MultiNeon PCDesigner® 1
  - via Optional Custom Chip.

*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.*



Front



Back

#### Application:

The MultiNeon Color/FX Creator 1 is a full range three channel neon dimmer, neon color blender, and neon sequencing system. At 450 VA per channel, one MultiNeon Color/FX Creator can fluidly control an average 3 x 64 feet of neon lighting. (i.e. Eight 8 ft units 15mm argon-mercury per channel). It is fully DMX-512 (1990) compliant, has provision for IR control, 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 venues, and animated and/or color changing neon signage.

#### Specification:

Neon or cold cathode dimmer and controller shall be listed in compliance with UL-1472 & CAN/CSA-C22.2 No 184.1 compliance for use with UL-2161 compliant, dimmable magnetic neon transformers. It shall be fully DMX-512 compliant and capable of running 7 internal stand-alone programs. It shall be for indoor use with three independently fused 450 VA outlets and one IEC type power supply cord.

\* Patent pending

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

Program/Effect	Sw.#3	Sw.#4	Sw.#5
<b>#1</b> 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
<b>#2</b> 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
<b>#3</b> 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
<b>#4</b> 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

Program/Effect	Sw.#3	Sw.#4	Sw.#5
<b>#5</b> 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
<b>#6</b> 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
<b>#7 Rainbow</b>	On	On	On
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.			

**Model 80200**

## TECHNICAL SPECIFICATIONS

### GENERAL

**Use:** Indoors only

**Supplied contents:** Color/FX Creator, AC power cord, instruction booklet

#### INPUT:

**Voltage:** 120 Volts AC

**Frequency:** 50/60 Hz

**Operating current:** 0.2A-12A (max) (depends on load and/or DMX value)

**Operating fuse:** 12 A slow blow

*Earth ground must be connected for safety.*

**OUTPUT** per channel:

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

**Max output:** 450 VA

**Connection type:** Portable installations, IEC type cord 7' switched (supplied).

### PHYSICAL

**Dimensions:** L-7.75" x W-7.5" x H-4.5"

**Weight:** 2.8 lbs

**Housing:** Aluminum with black scratch resistant paint

**Operating temperature:** -10°C to + 50°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, patent pending 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. Custom programs available

**IR option:** Up to eight units can be separately addressed, with 7 memory Presets per unit.

### DATA Continued ...

#### LED indicators:

**OFF:** Unit not powered or internal fuse blown

**Solid ON:** Unit powered

**Flashing:** Valid DMX detected, DMX operating mode

**Fast flash:** Unit addressed by infrared remote control

### AGENCY APPROVALS

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



### 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

MultiNeon Color/FX Creator: U.S. and foreign Patents pending.

©2003, MultiNeon Ltd.

Color/FX Creator is a trademark of MultiNeon Ltd.

MultiNeon ColorChanger, MultiNeon PCDesigner and MultiNeon are trademarks of Lowell-Light Mfg., Inc.

*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!™

Bldg. B/Unit 8C, 140 58th Street, Brooklyn, NY 11220  
Tel: 718-921-0600, or 877-new-neon  
Fax: 718-921-0303  
info@multineon.com  
www.multineon.com