

Light-O-Rama

Component Fountain Controller

Pump and LED Lighting Controller

MLC-100

www.lightorama.com

- 3 independent pump motor control channels for Permanent Magnet Synchronous Motors (PMSM)
- 6 independent low voltage LED lighting control channels with on-board DC power supply rated for submersible luminaries
- Fully compatible with all other LOR controllers
- Lighting effects include on, off, fade, intensity, twinkle and shimmer
- Pump motors can be smoothly controlled from a burble of water from the nozzle to full power
- Can be directed by an LOR Show Director, another controller or by the ShowTime Windows Software
- Up to 240 controllers in a network allows for an extremely large fountain and/or lighting display
- 100 intensity levels for both pumps and lighting
- 256 levels for smooth fading with durations from 0.1 to 25 seconds



MLC-100 Fountain Pump and Low Voltage LED Lighting Controller

The MLC-100 is a dual microprocessor fountain controller. It takes its commands from another controller, a Light-O-Rama MP3 Director or the Light-O-Rama ShowTime Windows PC software.

The microprocessors performs the lighting and pump effects from high level commands, for example: fade channel 6 from 20% intensity to 60% intensity over six seconds. This internal intelligence allows for very complex shows.

Using a Show Director or the ShowTime Windows PC software, the display can be choreographed to music.

A network of controllers allows animation of displays requiring high power and/or hundreds or even thousands of channels. A fountain with hundreds of pumps is not a problem.

Easy to use software with powerful wizards facilitates the building of sophisticated lighting and pump control sequences choreographed to music and the assembly of the sequences into shows. The only limit is your imagination.

This controller was designed for Permanent Magnet Synchronous Motors. These are the type commonly found in pond and fountain pumps used in residential applications. These pumps are very efficient and reliable, but they require a Variable Frequency Drive controller to modulate their speed. Do not use ordinary lighting controllers for this purpose.

Specifications

Configuration	3 Variable Frequency Drive (VFD) pump channels 6 Pulse Width Modulated (PWM) LED channels
Pump Channel	230 watts or less at 120 VAC
Pump Channels total power	700 watts or less at 120 VAC
LED Channel	1 amp or less at 12 VDC
LED Channels total power	12 VDC at 2.5 amps
Supply Voltage	120 VAC 60 Hz
Dimensions	9"w x 6 5/8"h x 2 1/8"d

Imagine it, then do it

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