



STRONG AROUND THE WORLD

CLD SERIES LIGHT CONTROL SYSTEM

F E A T U R E S

- Easy configuration
- Parameters stored in EEPROM
- Controls up to 16,000 watts of incandescent light
- Remote override capability
- Channels are line phase independent
- Square law dimming for accurate light response
- Can be configured for 120 or 220 Volts at the time of order
- Extends incandescent bulb life
- Front mounted circuit breakers for easy access
- Strong's dimmer circuitry comes housed in a custom made, heavy duty 16 gauge steel cabinet with a durable powder-coat finish
- Fully grounded front panel and chassis for enhanced safety
- Clearly labeled internal wiring terminations
- Vented cabinet eliminates damaging heat build-up
- All units have U.L. and CE approval
- Time tested circuit reliability



CLD-4K 4,000 Watt Automated Dimmer

Overview:

Strong's CLD-2K and CLD-4K Light Control Systems are used to create custom lighting effects in the theatre auditorium. The system is based on a QDC-400 control board and the 37870 2,000 watt power module. The QDC-400 is a 4 channel dimmer controller that can drive up to two 37870 power modules per channel.

The QDC-400 dimmer control card used in Strong's CLD lighting control system provides flexibility and features to fully synchronize your lighting events. Lighting events can be controlled by cues running during a film presentation, it has programmable wake-up states, transition times, minimum and maximum levels, and features inputs for override switches and manual controls.

The CLD-2K/4K must be used with a CNA cinema automation. Setup is quick and easy, especially when using the CineSuite software package. The CLD integrates seamlessly with any CNA automation system with up to date firmware via the LIN I/O network.

This controller's features make it ideal for situations where CNA system compatibility and economy are of primary importance.



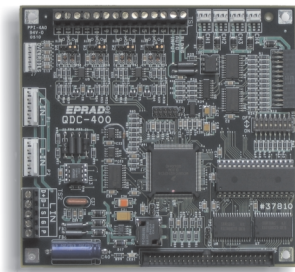
a division of Ballantyne of Omaha, Inc.

Strong CLD SERIES LIGHT CONTROL SYSTEM

Part Number	Description
37892-0	CLD-2K Light Control System: 2,000 watt, Control board, operates with CNA automation via LIN network only
37892-2	CLD-2K Light Control System: 220 volt version of above dimmer
37892-1	CLD-4K Light Control System: 4,000 watt, Control board, operates with CNA automation via LIN network only
37892-3	CLD-4K Light Control System: 220 volt version of above dimmer
37892-K	CLD-2K to CLD-4K Conversion Kit: Cables, power module, breaker and instructions for converting a 2,000 watt unit into a 4,000 watt unit
For additional power handling capacity choose from the 37893 series of auxiliary cabinets. These units feature 2,000 and 4,000 watt capacities in either 120 or 220 volt models.	



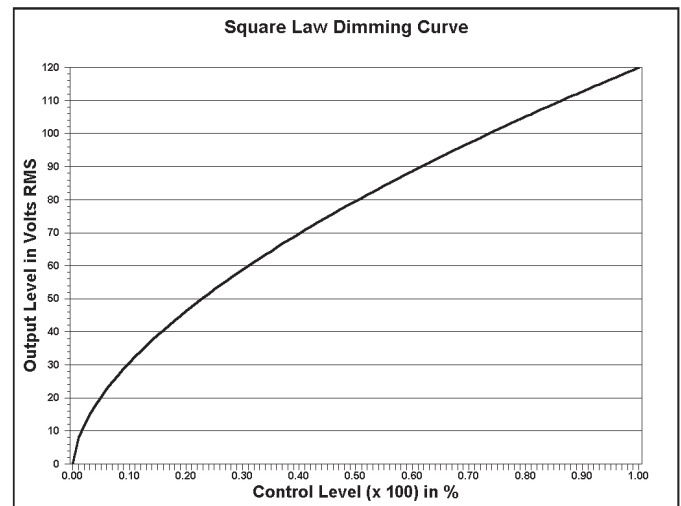
CLD-4K 4,000 Watt Automated Dimmer



QDC-400 Dimmer Controller

The CLD series of dimmer was designed to be a lower cost alternative to a standalone model. It functions only with a CNA automation system via LIN interface. There are no provisions for a display or keypad, it is simply a QDC-400 controller and either one or two 37870 2,000 watt dimmer power modules. This unit is affordable as well as functional and is well suited for applications where front panel controls are not desired.

The QDC-400 has four channels of line phase independent control. Each channel capable of driving two 2,000 watt dimmer modules. The QDC-400 connects to the LIN (Local I/O Network) and receives it's set up parameters and commands from the CNA automation system. Light levels for each channel can be stored and recalled by the CNA automation. Each level can be set from 0% to 100% in 1% increments. Each level also has an associated 'fade-in' time. The fade-in time controls how long it takes the lights to ramp to a new level. The fade-in time can be set from 0 to 99 seconds with 1 second resolution. Due to the fact that the CLD dimmer has no front panel interface, it can only be used with a CNA automation system.



Physical characteristics:

- Unit measures 15.25" Wide x 20.25" High x 5" Deep
- Weighs approximately 23 lbs
- Vented cabinet eliminates damaging heat build-up
- Comes in a custom made, heavy duty 16 gauge steel cabinet
- Durable matte black powder-coat finish

The CLD series of dimmers follow the "Square Law" dimming curve. This programming formula ensures accurate illumination by tying together perceived light levels, programmed percentage on the automation, and actual output to the load circuit. This precision digital controller's functions are independent of environmental factors. Accurate levels can be stored and recalled for later use.