

## LDP / AP SERIES AUXILIARY DIMMER CABINET

### FEATURES

- An excellent, cost-effective way to expand an existing dimmer installation
- Adds up to 4,000 additional watts of dimming capacity
- Can be configured for 120 or 220 Volts at the time of order
- 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

#### Overview:

Strong's LDP-2K/4K and AP-2K/4K light control auxiliary cabinets are used to expand the capacity of Strong auditorium lighting control systems. Each cabinet houses either one or two of our 37670 or 37870 dimmer power modules. Each has convenient front mounted circuit breakers and clean internal wiring terminations for simple hook-up. Just connect to power, load, and your Strong controller.

Auxiliary dimmer cabinets are used where it is desirable to fully utilize unused/ underused channels of an existing controller. This controller may be a QDC-400 inside your CNA automation, a 37627, or a wall mounted dimmer with unused control outputs.



AP-4K 4,000 Watt Auxiliary Dimmer Cabinet

#### LDP Series:

The LDP-2K and LDP-4K Auxiliary Dimmer Cabinet was designed around the 37870 2,000 watt, QDC-400 compatible power module.

The QDC-400 is a 4 channel dimmer controller that can drive up to two 37870 power modules per channel or 16,000 watts of light per QDC-400. The LDP-2K/4K can be used with a stand-alone dimmer or with a cinema automation system that includes a QDC-400 dimmer control card.

The LDP-2K expansion cabinet comes with one 2,000 watt dimmer module, the LDP-4K comes with a pair of 2,000 watt dimmer modules that can be run independently of each other or in parallel.

#### AP Series:

The AP-2K and AP-4K Auxiliary Dimmer Cabinet was designed around the 37670 2,000 watt power module.

The 37627 is a 2 channel dimmer controller that can drive up to two 37670 power modules per channel. The AP-2K/4K can be used with a stand-alone dimmer or with any lighting system that includes the 37627 analog dimmer control card.

Our AP-2K contains a single 2,000 watt dimmer, the AP-4K contains a pair of 2,000 watt dimmers that can be run independently of each other or in parallel.



a division of Ballantyne of Omaha, Inc.

# Strong

# LDP / AP SERIES AUXILIARY DIMMER CABINET

## LDP Series

Part Number Description

37893-0	<b>LDP-2K Auxiliary Dimmer Cabinet:</b> 2000 watt, operates with digital controllers only (LCS,CLD, and QDC-400)
37893-2	<b>LDP-2K Auxiliary Dimmer Cabinet:</b> 220 volt version of above cabinet
37893-1	<b>LDP-4K Auxiliary Dimmer Cabinet:</b> 4000 watt, operates with digital controllers only (LCS, CLD, QDC-400)
37893-3	<b>LDP-4K Auxiliary Dimmer Cabinet:</b> 220 volt version of above cabinet
37893-K	<b>LDP-2K to LDP-4K Conversion Kit:</b> Cables, power module, breaker and instructions for converting a 2000 watt unit into a 4000 watt unit

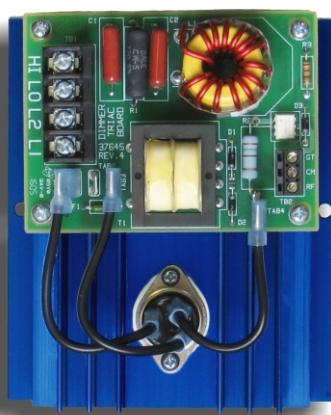
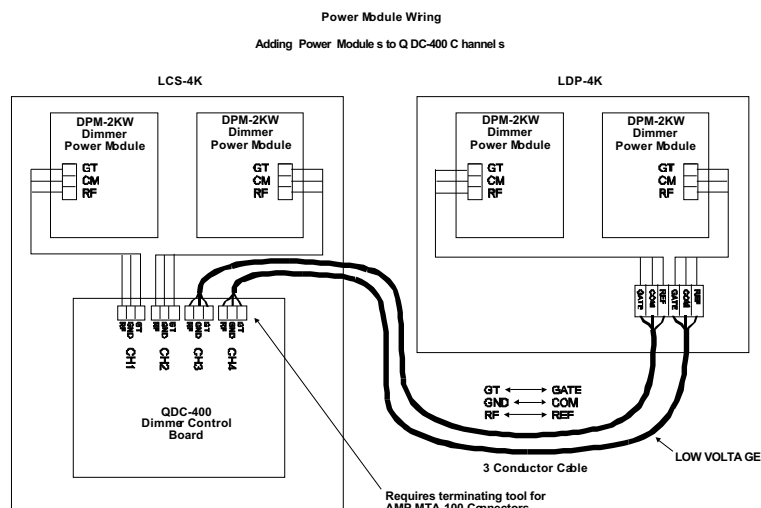
## AP Series

Part Number Description

37894-0	<b>AP-2K Auxiliary Dimmer Cabinet:</b> 2,000 watt, operates with analog controllers only (AD, 37627)
37894-2	<b>AP-2K Auxiliary Dimmer Cabinet:</b> 220 volt version of above cabinet
37894-1	<b>AP-4K Auxiliary Dimmer Cabinet:</b> 4,000 watt, operates with analog controllers only (AD, 37627)
37894-3	<b>AP-4K Auxiliary Dimmer Cabinet:</b> 220 volt version of above cabinet
37894-K	<b>AP-2K to AP-4K Conversion Kit:</b> Cables, power module, breaker and instructions for converting a 2,000 watt unit into a 4,000 watt unit



LDP-4K 4,000 Watt Auxiliary Dimmer Cabinet



Dimmer Power Module

### Physical Characteristics:

- Unit measures 15.25" Wide x 12.6" High x 5" Deep
- Weighs approximately 15 lbs
- Vented cabinet eliminates damaging heat build-up
- Comes housed in a custom made, heavy duty 16 gauge steel cabinet
- Durable matte black powder-coat finish

Strong's hefty power module is designed to operate at full load for extended periods of time without overheating or failing.

We begin with an oversized extruded aluminum heat sink, add a 40 Amp triac, and a line phase referencing firing circuit. Its modular and efficient design keeps wiring clean and neat for safety and ease of installation.

The 37670 and the 37870 dimmers are not interchangeable but are of the same basic design. The 37670 is for an analog 37627 controller and the 37870 is for the QDC-400 digital controller.