

STRONG AROUND THE WORLD

## AD SERIES LIGHT CONTROL SYSTEM

### F E A T U R E S

- Works standalone or with any automation system
- Manual overrides
- Remote override capability
- Controls up to 8,000 watts of incandescent light
- Easy configuration
- Can be configured for 120 or 220 Volts at the time of order
- Channels are line phase independent
- Extends incandescent bulb life
- Strong's dimmer circuitry comes housed in a custom made, heavy duty 16 gauge steel cabinet with a durable powder-coat finish
- Front mounted circuit breakers and controls are clearly labeled
- Fully grounded front panel and chassis for enhanced safety
- Clearly labeled internal wiring terminations
- All units have U.L. and CE approval
- Time tested circuit reliability



AD-4K 4,000 Watt Automated Dimmer

#### Overview:

The AD-2K and AD-4K two channel light controller includes the 37627 analog dimmer controller and the 37670 a 2,000 watt dimmer power module. The controller can drive up to two 37670 power modules per channel. The 37627 connects to the Booth or Single termination board when used with a CNA automation system. Preset light levels for each channel can be triggered by any existing automation system with dry contact relay outputs. Each level preset is infinitely variable from 0% to 100%. Each circuit has separate rate adjustments allowing the user to set the transition rate at which the lights come up and go down. Each circuit also has a programmable "wake up" state. This feature allows you to determine, upon daily power up, the state your lights will be in. Setup is quick and easy via internal DIP switches and either internally or externally accessible potentiometers. The AD series dimmer can operate as a stand-alone device, with a CNA, or virtually any other cinema automation system.

This system's features make it ideal for situations where universal compatibility, solid performance, and low cost are of primary importance.



a division of Ballantyne of Omaha, Inc.

# Strong AD SERIES LIGHT CONTROL SYSTEM

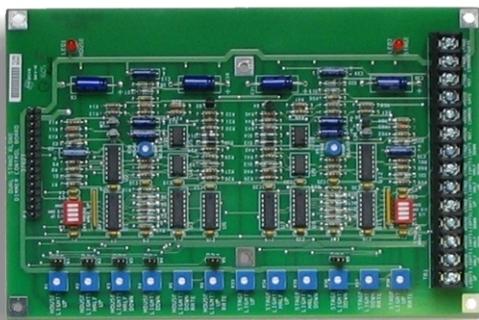
| Part Number  | Description  |
|--|--|
| 37891-0  | <b>AD-2K Light Control System:</b> 2,000 watt, Front panel controls, Control board, operates as standalone or with CNA automation via 39331/2 board. |
| 37891-2  | <b>AD-2K Light Control System:</b> 220 volt version of above dimmer.   |
| 37891-1  | <b>AD-4K Light Control System:</b> 4,000 watt, Front panel controls, Control board, operates as standalone or with CNA automation via 39331/2 board. |
| 37891-3  | <b>AD-4K Light Control System:</b> 220 volt version of above dimmer.   |
| 37891-K  | <b>AD-2K to AD-4K Conversion Kit:</b> 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 37894 series of auxiliary cabinets. These units feature 2,000 and 4,000 watt capacities in either 120 or 220 volt models. |  |



AD-4K 4,000 Watt Automated Dimmer



AD-4K Front Panel Controls



37627 Analog Dimmer Controller

## 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

AD series dimmers have front mounted controls for manual level selection. A switch for each channel changes light levels (up and down) based on user presets. Below these switches are recessed potentiometers used for setting the (up and down) levels.

These simple controls and adjustments make configuring this dimmer fast and easy. Front panel accessible potentiometers can be disabled if necessary by changing a selection jumper on the 37627. If the jumper is changed the internal, on-board potentiometer is enabled.

The 37627 analog control board is a 2 channel device that is used in the AD series dimmer. External switch closures can trigger preset lighting events making this controller suitable for integration into non-automated environments and custom control applications. The 37627 can also be connected to the 39332 and 39331 termination boards in CNA automation systems.

Transition times, wake-up states, and minimum and maximum levels are set via potentiometers and DIP switches. Inputs are provided for override controls and a remote level adjustment circuit.

The analog dimmer provides a universally compatible and low cost solution for your lighting control application.