

## Encore Dimmer 2.4 Kw/3.6 Kw Instructions

### Electrical Installation

Mounting the unit is straightforward and convenient. Full length pads across the top and bottom of the cabinet will accept up to 1/4" hardware. When mounting the unit on block or other irregular surface walls, avoid springing the enclosure when tightening the mounting hardware. Use 1/4" washers as shims behind the mounting pads to fill heavy gaps. In the upper and lower right-hand side of the case, 1/2" and 3/4" KO's have been provided for line, load and control connections.

Access to the electrical connection area is gained by loosening the four 6-32 Phillips head screws securing the dark grey wrap on the right-hand side of the enclosure. The wrap can then be pulled forward and removed for access to the terminals.

**Line #1 feeds the 3-position or house dimmer circuit. Line #2 feeds the 2-position or stage section of the unit. Terminal #3 is the neutral feed from the buss in the panel. Load #1 is for the house lights and load #2 is for the stage lights. All neutrals, both line and load, must terminate on lugs #3 and #4.**

The low voltage remote control or automation interface printed circuit board has been clearly silk screened for your convenience. Terminals #1 through #4 interface directly with terminals #1 through #4 on the Kelmar deluxe remote control. They provide LED positioning readout at that device. Terminals #5 through #9 interface directly with the corresponding terminals on the remote control or automation system. They provide level control for the house lights.

Note: Front cover selector switches are provided for three house light levels. Terminal #8 on the printed circuit board provides for a fourth level, which drives the system to full off. This feature is a convenience for those users who wish to be able to turn the lights fully off from a remote location without tripping the breakers.

Terminals #10 through #12 follow the preceding pattern of interfacing with corresponding terminals on the remote control or automation system. They provide control for the stage lights. Built-in control logic is 12 volts DC. All remote control devices or automation Systems should provide dry reed closure only. Switching logic used for either remote or automation control should have a closure duration of at least 1/4 second.

Note: **Those instructions that specify that line #1 and line #2 must be on the same phase do not apply to the Encore system.**

## **Setup and Calibration procedure**

The control section of the dimmer should remain closed until the projection room is broom clean. Access to the inside of the control panel is gained by loosening the 6-32 Phillips head screws at the top and bottom of the right-hand side of the panel. Do not remove the screws on the left-hand side of the panel. The panel will swing forward, displaying the large printed circuit board on which all appropriate controls are mounted.

***CAUTION SHOULD BE EXERCISED AT THIS POINT TO AVOID CONTACT, EITHER THROUGH YOUR HANDS OR TOOLS, TO THE EXPOSED TERMINAL LUGS ON THE LARGE BLACK CHOKES ON THE REAR OF THE UNIT WHEN VOLTAGE IS PRESENT.***

The rate and level trimmers, R25 through P34, are on the left-hand side of the control board. R25, R26, R30 and R31 are the up and down rate trimmers. R27 and R28 are the up and down level sets for the stage. R32, R33 and R34 are the high, mid and low sets for the house.

Suggested setup procedures are as follows:

- (1) Turn the rate pots R25, R26, R30 and R31 fully counterclockwise. This will provide the fastest rates and will save you time in setting the levels.
- (2) The stage up level is selected by trimming R27. The stage down level is selected by trimming R28.
- (3) The house high level is selected by trimming R32, mid level by R33, and low level by R34. When setting R34, turn the low trim knob on the opposite or operating side of the cover to its full counterclockwise position. Then set R34 to establish that level of lighting that will provide suitable illumination during the feature presentation.
- (4) After the levels have been set and stabilized, your rates may be set by trimming R25 for stage up, R26 for stage down, R30 for house up, and R31 for house down.

Turning the trim knob marked "LOW TRIM" clockwise will override the "LOW" house setting and provide increased illumination for audiences requiring supervision. Returning the "LOW TRIM" knob to its fully counterclockwise position resets the level to the value set by R34.

Every effort has been made to provide you with a system of the highest quality. If we may be of any further service regarding the installation or the operation of the system, please call us at (516) 692-6131 or (516) 421-1230.

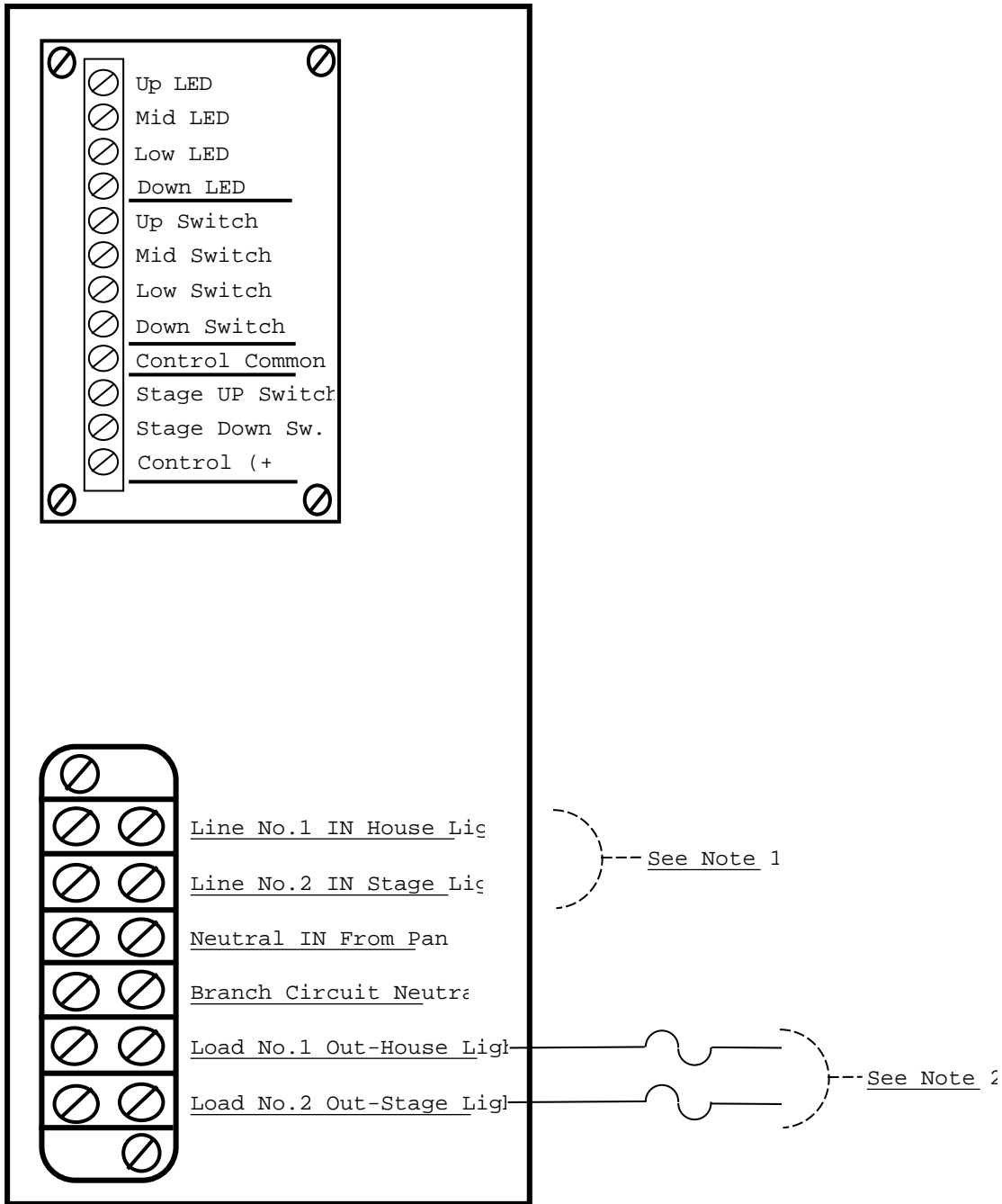
Thank you for purchasing our product.

## CONTROL INTERFACE

CONTROL TERMINAL BLOCK	FUNCTION	INTERFACE TERMINATION
1	UP LED	FOR USE WITH REMOTE ONLY
2	MID LED	FOR USE WITH REMOTE ONLY
3	LOW LED	FOR USE WITH REMOTE ONLY
4	DOWN LED	FOR USE WITH REMOTE ONLY
5	UP CONTROL	AUTOMATION LIGHTS UP
6	MID CONTROL	AUTOMATION MID
7	LOW CONTROL	AUTOMATION LIGHTS DOWN
8	DOWN CONTROL	FOR USE WITH REMOTE ONLY
9	CONTROL COMMON	AUTOMATION HOUSE LIGHTS FEED
10	STAGE UP CONTROL	FOR USE WITH AUTOMATION OR REMOTE
11	STAGE DOWN CONTROL	FOR USE WITH AUTOMATION OR REMOTE
12	STAGE +	FOR USE WITH POWER BOOST MODULE

## POWER INTERFACE

POWER TERMINAL BLOCK	FUNCTION	INTERFACE TERMINATION
1	LINE 1 IN	A.C. PANEL - HOUSE CIRCUIT
2	LINE 2 IN	A.C. PANEL - STAGE CIRCUIT
3	NEUTRAL IN	A.C. PANEL - NEUTRAL
4	NEUTRAL OUT	AUDITORIUM AND STAGE LIGHT FIXTURES
5	LOAD 1 OUT	AUDITORIUM LIGHT FIXTURES
6	LOAD 2 OUT	STAGE LIGHT FIXTURES



NOTES:

1. From Lighting Panel- Seperate Breakers
2. Provide Branch Circuit Breaker Protection As Required By Code

