

# FILM-TECH

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## **House Light Dimmer 2.4Kw/3.6Kw Instructions**

### **GENERAL**

The Kelmar LCS/House Light Dimmer is available in 2.4Kw or 3.6Kw rating capacity. The unit is housed in one compact wall mounted steel enclosure with dimensions: 14.00" (360mm) Wide, 12.50" (320mm) High, 5.50" (140mm) Deep. The enclosure is divided In 2 sections: A Termination Section, B Operation Section.

***THERE IS NO NEED TO OPEN THE OPERATION SECTION FOR INSTALLATION.***

### **LOCATION/INSTALLATION**

Locate the LCS/House Light Dimmer on the Front Wall of the Projection Room so that it is visible and can be operated while looking out the Observation port. Mount the unit to the wall with the bottom approximately 4'-0" (1220mm) Above Finished Floor.

Remove the cover of the termination (right side) section ONLY by loosening the 4 screws. Pull the cover towards you, Leaving the screws in the cover-

Connect the enclosure to the Projection Room wireway with a 3/4" conduit. Electrical knockouts are provided in the top and bottom of the termination section for one 1/2" and one 3/4" conduit. Connect the Auditorium lighting fixtures to the top of the enclosure.

It is suggested that the Auditorium house lights be divided into 2 branches with circuit protection. A 2 circuit panel can be used to divide the LCS output into 2 branches. This will permit operation of the Auditorium under conditions that cause one branch to be out of operation. Each branch must have a neutral wire terminated to the LCS/House Light Dimmer.

Provide a 120 VAC FEED, Neutral, and Ground from the Projection Room A.C. Panel. Provide a 4 conductor #18 control cable to the Automation. If a Dimmer Remote is used, refer to instructions furnished with the remote control. The Termination Section contains two interface terminal strips. The Top P.C. Board mounted strip is for the control wire terminations. These terminals are numbered and identified as to their function. The input and output A.C. power wiring terminates to the bottom terminal block. These terminals are numbered and identified as well.

### **PROPER OPERATION DEPENDS ON THE CORRECT WIRING AND TERMINATION.**

The LCS/House Light Dimmer provides 12 VDC control voltage. Control circuits connected are to be dry contact closure. Operation logic requires momentary contact closure. Provide a minimum 1-second contact closure.

## 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	FOP 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
a	DOWN CONTROL	FOR USE WITH REMOTE ONLY
9	CONTROL COMMON	AUTOMATION HOUSE LIGHTS FEED
10 - 15	NOT USED - <i>DO NOT CONNECT TO ANY OF THESE TERMINALS</i>	

POWER TERMINAL BLOCK	FUNCTION	INTERFACE TERMINATION
1	LINE IN	A.C. PANEL - HOUSE CIRCUIT
2	NOT USED	NOT USED
3	NEUTRAL IN	A.C. PANEL - NEUTRAL
4	NEUTRAL OUT	AUDITORIUM LIGHT FIXTURES
5	LOAD OUT	AUDITORIUM LIGHT FIXTURES
6	NOT USED	NOT USED

## SET UP ADJUSTMENT

After installation, power up the LCS and verify operation. The LCS has been set at the factory to operate. Adjustments are provided for output level and speed rates. These adjustments should be made at the end of the installation so that auditoriums are complete and reflective surfaces are complete.

### **CAUTION: ELECTRICAL SHOCK HAZARD**

### **EXTREME CARE SHOULD BE USED WHEN MAKING THE FOLLOWING ADJUSTMENTS:**

Open the Operation section by Loosening the 4 screws. The cover will swing out for access to the control settings. The adjustment pots are Located on the P.C. board.

The rate and Level adjustment pots are as follows:

R15	DOWN	Rate
R16	UP	Rate
R17	HIGH	Level
R18	MID	Level
R19	LOW	Level

1. Set R15 and R16 Fully Counter-Clockwise for high rate during adjustment.
2. Verify that the Low Level trim pot on the operating side of the panel is fully counterclockwise (off). Set the Levels for LO, MID and UP.
3. Set R15 and R16 for a travel of approximately 15 seconds from full down to full up.

## OPERATION

The Automation will control the LCS/House Light Dimmer for show start, feature, credits, show end. A Panel mounted low level control is provided for special situations where an increased operating Light Level is required during the show.

For additional information contact:

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