

**Operation  
and  
Maintenance  
Manual  
for  
Starlite  
Architectural  
Lighting Control  
System**

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Warning: MAXIMUM ambient operation and storage environment for this equipment is 104 degrees F (40 degrees C), with 90% humidity, non-condensing. Extreme caution is advised when having liquids, food and cigarettes around any equipment. During severe electrical storms, equipment should be disconnected. Failure to adhere to these requirements may result in malfunction or serious damage.

## NOTICE

In case of electrical-type fire, EDI recommends the use of HALON-type fire extinguishers.

When dimming inductive loads, insure inductors (ballasts, transformers, etc.) have thermal cutouts.

Prior to re-lamping or other work which exposes the worker to lethal voltages, ALWAYS turn dimmers or power OFF.

## WARRANTY

EDI warrants its products and equipment to be free from defects in material and workmanship over a period of eighteen (18) months from date of shipment from the factory, or twelve (12) months from date of acceptance, whichever ever occurs first.

If any product is found unsatisfactory under this warranty, the buyer must notify EDI in writing and, after receipt of shipping advice and a "Return Materials Authorization" (RMA) number, buyer may return it directly to Electronics Diversified, Inc., Customer Service Department, 1675 N.W. 216th Avenue, Hillsboro, OR 97124. Transportation and insurance must be prepaid. Such equipment will be replaced or put in proper operating condition, free of all charges except transportation. The correction of any defects by repairs or replacement by EDI shall constitute fulfillment of all obligations and liability of EDI to the buyer under this warranty and the contract of sale.

EDI is not responsible for damage to its products through improper installation, maintenance, use, or attempts to operate it above its rated capacity or voltage, intentionally or otherwise, or for unauthorized repairs. Failure to notify EDI of unsatisfactory operation or any improper or unauthorized installation, maintenance, use, repairs or adjustments, shall terminate the warranty and shall relieve EDI from any further responsibility thereunder.

EDI shall not be liable for special or consequential damages in any claim, action, suit or proceeding arising under this warranty or contract sale, nor shall there be any liability thereunder for claims for labor, loss of profits or goodwill, repairs or other expenses incidental to replacement.

EDI makes no other warranty of any kind whatsoever, expressed or implied, and all implied warranties of merchantability and fitness for a particular purpose which exceeds the aforementioned obligation are hereby disclaimed by EDI and excluded from this agreement.

# Starlite Architectural Lighting-Control System

## Description

The Starlite series lighting-control system is a Micro-processor-based programmable wallplate. It controls six or twelve channels, stores up to 100 scenes, and is fully user programmable.

Features include: Manual Operation, Forward and Reverse Auto-Sequencing, Adjustable Fade Rate, and a Lockout Keyswitch.

The panel includes a numeric keypad with buttons numbered 0-9 and ▲ and ▼ symbols. These buttons allow the user to store desired scenes, or to preview any of the 100 possible scenes.

The fade to off ▲ and the fade to full ▼ buttons allow lights to fade to full intensity (100%) or to off (0%) intensity. These two buttons also trigger the forward and reverse auto-sequencing.

Located below the keypad are the "S" (Store), "P" (Preview), and "M" (Manual) buttons. These enable the system to store programmed light levels, preview stored light levels without disturbing actual light levels, and function in manual mode.

A standard lockout keyswitch allows three types of access: Locked, Normal and Setup. Explanations of these settings are located in the Keyswitch Positions section.

## Slider Controls

Also located on the main panel are: a master slider, a fade rate slider, and the channel intensity sliders.

The channel intensity sliders are scaled 0-10, with 0 being off and 10 being full on. With a channel slider set at 5, the lights will be at approximately 50% intensity. To change light levels, simply move the slider up or down.

The master slider proportionally controls all channels. The master slider is also scaled 0-10. With the master slider at 10 (100%) and a channel slider at 4, the light will be approximately 40% intensity. Move the master slider to 5 (50%) and the same channel will now be approximately 20% intensity (half of a 40% setting).

The fade rate slider sets the speed in which a fade will occur from one scene to another. It is scaled from F (fast) to S (slow). A setting of F will execute the fade almost instantly; set to S, the fade will occur during a one minute time-span.

## Intensity Bargraph

Above each channel slider is a column of ten LEDs. This bargraph indicates the level of light intensity for each channel slider while previewing a scene, selecting a stored scene or viewing in manual mode.

## Remote Keypad

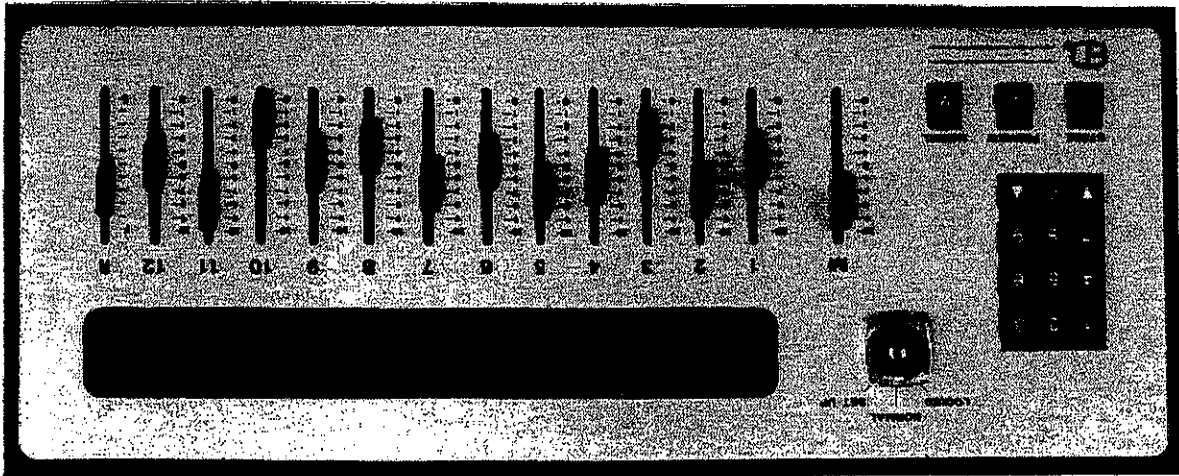
A remote keypad is available which is identical to the one in the main panel. This allows the user to select preset scenes from multiple locations.

With a remote panel, the user is able to change scenes, fade to full on, or fade to off, but is not able to change any of the recorded information in a preset.

## Keyswitch Positions

A lockout keyswitch allows three types of access: Locked, Normal and Setup.

While in the Locked position, the system will ignore all entries and changes made to the intensity sliders. It will remain locked into the scene that was up when the keyswitch was moved to the locked position. Any remote panel or walk-thru station is also prevented from changing the system status while in the lockout mode.



Changing the keyswitch to the Normal setting allows full access to the system except the ability to store scenes.

The system is fully accessed while in the Setup position.

### Programming

1. To begin programming, place the keyswitch in the SETUP position. It is also necessary to put the system in Manual mode. This is done by pressing the "M" (Manual) button. (The Starlite will be automatically set to manual mode when power is applied.)

2. To prepare a scene for storage, set the light levels to the desired intensities, by sliding the channel sliders up or down. The selected intensities can be viewed by the bargraph display above the channel sliders.

3. To store an individual fade rate for each scene, move the fade rate slider to the desired setting. A setting of F will execute the fade almost instantly, and set to S, the fade will occur during a one minute time-span.

4. To record the scene into memory, press and hold the "S" (Store) button and simultaneously the desired scene number. The bargraph will flash momentarily to indicate that the scene has been stored.

5. For additional scenes, repeat steps 2-4.

### Normal Operation

For normal operation procedures, change the keyswitch to the NORMAL position. Set the fade slider to "S" for programmed fade times.

### Scene Number Memory Locations

The Starlite allows programming of ten scenes in ten groups, or "pages." Ten scenes may be stored on each of the ten pages, totaling 100 scenes. Scenes are numbered from 0-0 to 9-9.

To recall a stored scene, you must first set the system to the memory or "page" on which the desired scene is stored.

To select one of the ten pages, press and hold down the "S" and "P" buttons simultaneously, and the desired page number. The LED display above the fade rate slider indicates which page you are on.

### Scene Recall

To recall a scene within the same memory page in which you are working, press the scene number and the light will change to that scene. The bargraph will also indicate the change.

To recall a scene on a different page, first move to the page on which the desired scene is stored by pressing "S," "P," and the page number. Then press the scene number desired.

### Fade Initiation

By pressing the fade to full button, the lights will go on to full intensity (100%) in 5 seconds. By pressing the fade to off button, the lights will go to (0%) in 5 seconds.

Full on and full off are also programmable using the same procedure described in the "Programming" section.

The time fade is set at 5 seconds for ▲ and ▼.

### Auto-sequencing

To auto-sequencing forward, hold down the "S" and "P" buttons simultaneously and press the fade to full button ▲. Starlite will then fade from scenes 0-9 at a fade rate determined by the fade rate slider.

To auto-sequencing reverse, hold down the "S" and "P" buttons simultaneously and press the fade to off button ▼. Starlite will then fade from scenes 9-0 at a fade rate determined by the fade rate slider.

By setting the fade rate slider to "S," the scenes will auto-sequencing at the fade rates assigned to each individual scene.

To stop either forward or reverse auto-sequencing, you may enter:

- a scene number and lights will fade to that scene.
- either the ▲ or ▼ button to fade the current scene.
- "M" (Manual) to regain manual control of the system.

### Scene Previewing

To preview a scene without disturbing current light levels, press and hold the "P" (Preview) button and the desired scene number. The bargraph will display the selected light levels for approximately 10 seconds, then returns the display to the current light level.

### Clearing of Stored Scenes

To clear ALL stored scenes, move to scene 0 and press "S," "P" and "M" simultaneously. This will erase all stored information on all pages.

To clear a single scene, select the scene number to be cleared and reprogram with 0 information.



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