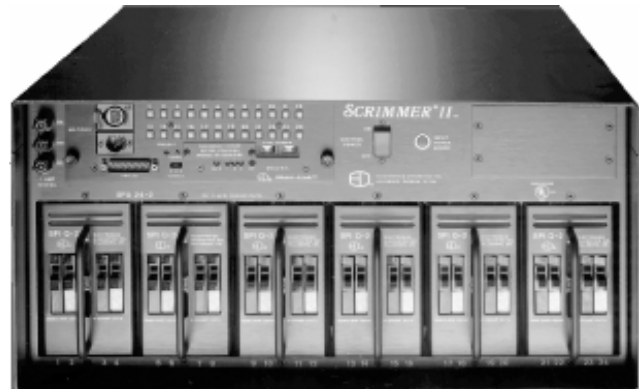


## Scrimmer II Power Pack

### Features

- Rugged heavy-duty construction
- Designed for 2.4 and 6.0kw modules
- Individually cooled plug-in dimmer module positions
- 10,000 AIC U.L. Listed, fully magnetic circuit breakers
- Single or three-phase input power
- Multi-Link digital electronics supports USITT DMX 512, AMX 192, RS422, and simultaneous 0-10 Volt analog control signals
- Convenience outlet with separate circuit breaker
- Front access phase-change block
- Optional wall-mount with locking door over dimmers
- U.L. listed



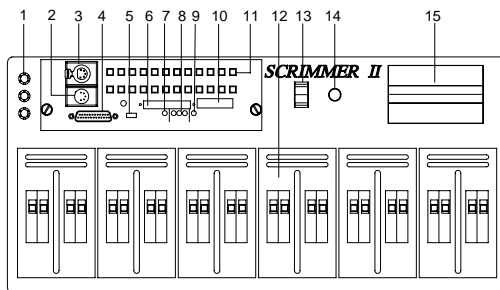
### Description

The SCRimmer II Power Pack, long known as one of the industry's highest quality dimming systems, now includes Multi-Link. With the added ability to operate from a wide variety of formats, Multi-Link brings more versatility to the SCRimmer II Power Pack than ever before.

Designed and built using the latest in state-of-the-art components, the SCRimmer II with Multi-Link features built-in diagnostics, indicator lights to allow for verification of operation or trouble-shooting, and multiplex signal format selection. The unit is also available in portable or wall-mount models with internal terminal strips and conduit knockout configurations.

Typical applications include theatre systems, touring shows, dance groups, lecture halls, and television studios.

### Component Information



### SCRimmer II Front Panel

1. Front access fuses for control module.
2. Multiplex control input.
3. Multiplex output for Daisy-chaining dimmers.
4. Analog control input.
5. Multiplex signal format selection switch.
6. Front access calibration controls.
7. Multiplex signal presence indicator.
8. Power indicators for each phase.
9. Dimmer overtemp indicator.
10. Pack number and dimmer test thumb wheel setting.
11. Dimmer output test buttons and status indicator lights.
12. Plug-in dimmer modules.
13. Control power switch.
14. Input power error indicator.
15. Phase-change block.

### Order Information

#### SPP Capacity

- 24-2.4kw
- 12-6.0kw

#### SPP Control Module

- MCU-L - DMX, AMX, 0-10VDC
- ACU - Analog only

#### SPP Outputs

- 24-way Pack**  2-PBG  1-GTL  2-GSP  Terminal Strip
- 12-way Pack**  1-60A GSP  1-Terminal Strip

#### Options

- WMB-Wall Mount
- Locking door over dimmers
- Multi-pin Output connector
- Maintained Switches

## Scrimmer II Power Pack

### Mechanical Characteristics

<b>Enclosure</b>	Heavy-duty aluminum, finished in black polyurethane enamel paint. Silk- screened nomenclature.
<b>Circuit Cards</b>	Plug-in style, double-sided, through-hole, plated, U.L. recognized with G-10 fiberglass rate FR-4.

### Electrical Characteristics

<b>Input Power</b>	Single phase, 120/240 VAC, 50/60 Hz, or three-phase, 120/240 VAC 50/60 Hz. Available in 220-240 VAC, 50Hz configurations.
<b>Operating Environment</b>	Temperature range: 32° F. (0° C) to 104° F. (40° C). Humidity range: 0% - 90% non-condensing.
<b>Overcurrent</b>	10,000 AIC, U.L. listed, fully magnetic circuit breakers in modules
<b>Interaction</b>	No interaction between dimmers.
<b>No-load Loss</b>	Less than 1 watt.

### Physical Characteristics

<b>Dimensions</b>	11¼" H x 22½" W x 24" D (28.575cm x 57.15cm x 60.96cm)
<b>Ship. Weight</b>	130-140 lbs (59-63.5 kg)

### Load Connector Types

<b>Parallel Blade Ground</b>	<b>Grounded Twist Lock</b>
20 Amp	20 Amp



**Grounded Stage Pin**  
20 Amp  
60 Amp



**Terminal Strip**  
20 Amp  
60 Amp



## Specifications

### Dimmer Packs

- The unit shall be constructed of aluminum, finished with black polyurethane enamel paint. All nomenclature shall be permanently silk-screened in white. The unit shall measure 24" D x 22½" W x 11¼" H.
- All load wiring shall be stranded, tinned, copper wire rated at 200° C and sized in accordance with the National Electric Code.
- The unit shall be forced-air cooled by continuous duty, low-noise fans and be capable of continuous full load operation in ambient temperatures up to 104° F (40° C).
- There shall be pressure-type terminals for input power and ground. The unit shall be able to operate from single-phase, 3-wire, 120/140 VAC, or three-phase, 4-wire, 120/208 VAC input power. Available in 220-240 VAC, 50 Hz configurations.
- The front panel shall have an input power indicator which shall light when voltage is detected between the neutral and ground conductors.
- Any control setting shall result in the same dimmer output regardless of the direction of control movement. Response time shall not exceed 100 mS.
- The dimmer unit shall be listed by Underwriters Laboratories.
- The unit shall be the SCRimmer II with Multi-Link as manufactured by Electronics Diversified, Inc.

**Dimmer Modules** - (See Individual Data Sheets)

### Control Module

- The control module shall slide into the front of the rack and all wiring shall terminate in plug connectors.
- The control unit shall properly receive USITT DMX-512 digital multiplex, AMX-192 analog multiplex, or RS422 digital multiplex via a 5-pin XLR-type connector. The multiplex format may be changed by a single front-panel-mounted switch.
- Upon receipt of a valid multiplex signal, a yellow indicator shall light. A maximum two-second pause in any portion of the multiplex transmission shall be tolerated without adversely affecting the dimmer output.
- The dimming system shall be able to operate simultaneously on a multiplex signal and analog 0-10 volt signal.
- The system shall illuminate a pilot light for each power phase during operation. Input power to the control module shall be fused.
- The control module shall support individual output test buttons for each dimmer. The test buttons shall bump the output of the dimmer to FULL momentarily or lock to an ON position without a signal from a console present. The test button shall indicate status of the dimmer by proportionally illuminating when the dimmer is addressed.
- The control module shall support a diagnostics routine to confirm operational status.
- All dimmer control electronics shall be contained on a double-sided, through-hole plated-fiberglass circuit board.
- The control module shall be a recognized component of Underwriters Laboratories and so labeled.
- The unit shall be the Multi-Link series as manufactured by Electronics Diversified, Inc., Hillsboro OR 97124 USA.