

# a-2000® Dimmer Module

## Dimming performance and precision control



### DESCRIPTION

a-2000® dimming panels use the a-2000 dimmer modules for ease of configuration and custom tailoring of module types to each project's specific needs. Leviton's a-2000 dimmer modules employ robust dual SCR dimming technology inherited from Leviton's line of theatrical equipment.

### FEATURES

- 20A continuous duty rating (120V modules only)
- Voltage regulation: compensates for incoming line voltage variations

#### Universal Modules:

- Supports all standard load types as well as two circuits of Hi-lume® and other 3-wire fluorescent dimming ballasts
- Bypass switch has two modes: normal and bypass; when the switch is set to bypass (red LED illuminated), the SCRs and relays are forced to turn on independent of the control module
- 277V universal modules may be used in 120V cabinets

### Standard Modules

- Built-in bypass switches (120V): bypasses control electronics permitting the cabinet to be used for work lights during construction
- Reference supported load type table on page 2

#### 240V Modules:

- Built-in bypass switches (240V): bypasses control electronics permitting the cabinet to be used for work lights during construction
- Reference supported load type table on page 2

### SPECIFICATIONS

- 97% efficiency
- 350uS
- 90% choke performance at 25% load

SUPPORTED LOAD TYPE	UNIVERSAL	240V	STANDARD
Incandescent	X	X	X
Tungsten	X	X	X
Neon	X	X	X
Cold Cathode	X	X	X
Magnetic Low Voltage	X	X	X
Electronic Low Voltage*	X	X	X
Fluorescent Dimming Ballasts	X	X	X
0-10V Fluorescent Ballasts Example: Advance Mark 7® †††	X	X	X
0-10VDC LED Driver**	X	X	X
2-Wire Fluorescent Ballast Example: Advance Mark 10	X		X
3-Wire Fluorescent Ballast Examples: Lutron Hi-lume® & Eco-10™ †††	X		
3-Wire LED Driver Ballast Example: Lutron Hi-lume®	X		

\* Electronic Low Voltage transformers are supported upon the manufacturer's approval for use with forward phase dimmers. When the use of Electronic Low Voltage is required which does not meet this requirement, Leviton's PE400 power extender may be used. Contact your local Leviton representative for more information.

\*\* Up to 8 per a-2000 control module

† Mark 7™ is a trademark and Mark 10® is a registered trademark of Advance Transformer Company

†† Eco-10™ is a trademark and Hi-lume® is a registered trademark of Lutron Electronics, Inc

**ORDERING INFORMATION**

CAT. NO.	DESCRIPTION
A15HL-012	a-2000 Dimmer Module, 15A, Hi-Lume compatible, 120V
A20DC-012	a-2000 Dimmer Module, 20A, dual constant module, 120V
A20DD-012	a-2000 Dimmer Module, 20A, dual dimmer, 120V
A20HD-012	a-2000 Dimmer Module, 20A high rise time (700 micro second) single channel module, 120V
A20UN-012	a-2000 Dimmer Universal Module, 20A, dual dimmer, 120V
A15DC-012	a-2000 Dimmer Module, 15A, dual constant module, 120V
A15DD-012	a-2000 Dimmer Module, 15A, dual dimmer, 120V
A15DD-230	a-2000 Dual Dimmer, 15A rated operation 230VAC +/- 15%
A20DD-230	a-2000 Dual Dimmer, 20A rated operation 230VAC +/- 15%
A20DC-A27	a-2000 Dual Constant Modules, (2) 20A, 277V dimmers
A20HD-027	a-2000 Dimmer Module, 20A, high rise time single channel module, 277V
A20HL-A27	a-2000 Single Hi-Lume/ECO-10, (1) dimmer module, 20A, 277V dimmers
A20UN-027	a-200 Dimmer Universal Module, 20A, 277V or 120V

**Leviton Manufacturing Co., Inc. Lighting & Energy Solutions**

20497 SW Teton Avenue, Tualatin, OR 97062 • Tele: 1-800-736-6682 • FAX: 503-404-5594 • Tech Line (6:00AM-4:00PM P.S.T. Mon-Fri): 1-800-959-6004

**Leviton Manufacturing Co., Inc. Global Headquarters**

201 N. Service Rd. Melville, NY 11747-3138 • Tech Line: 1-800-824-3005 • Fax: 1-800-832-9538

**Leviton Manufacturing of Canada, Ltd.**

165 Hymus Boulevard, Pointe Claire, Quebec H9R 1E9 • Telephone: 1-800-469-7890 • FAX: 1-800-563-1853

**Leviton S. de R.L. de C.V.**

Lago Tana 43, Mexico DF, Mexico CP 11290 • Tel. (+52) 55-5082-1040 • FAX: (+52) 5386-1797 • www.leviton.com.mx

**Visit our Website at: [www.leviton.com/les](http://www.leviton.com/les)**

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