

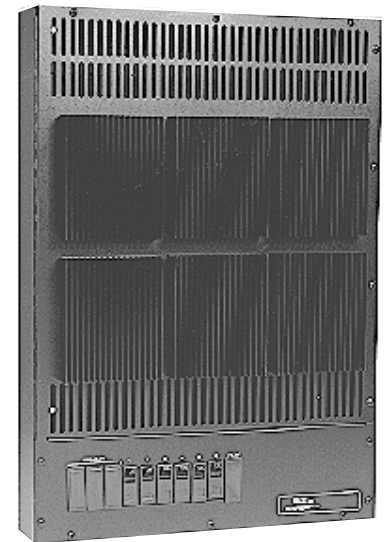


Architectural Dimmers

Features

- U.L. listed
- No fans required
- High and low trim adjustments
- Economical load control center
- Quiet, convection-cooled system
- 120V, 240V and 277V models available
- Single 20 amp or Dual 10 amp capacity per module
- Dims standard and low-voltage incandescent, quartz, fluorescent, neon and cold-cathode sources
- Class II low-voltage control circuitry in Analog 0-10V or DMX 512 format

Versa-Pak Dimmer Cabinet



Description

The Versa-Pak wall-mount dimmer cabinet series is designed for smaller lighting applications. The multiple module enclosures allow mixing and matching of different sources within the same enclosure.

Although designed for architectural dimming, the Versa-Pak wall-mount dimmer cabinet system is engineered with the same quality standards demanded in performance industry dimming systems.

Each module includes a heatsink, temperature sensor to monitor operating temperature, a reliable 40 Amp SSR package, toroidal filter and control electronics.

Cabinet

Model Number Description

- VP-DC6/TB Six-module capacity, main lugs only, terminal connections. Primary breakers supplied for each module.
- VP-DC6/MB/* Six-module capacity, optional main breaker, terminal connections. Primary breakers supplied for each module.
- VP-DC12/TB/* Twelve-module capacity, main lugs only, terminal connections. Primary breakers supplied for each module.
- VP-DC12/MB/* Twelve-module capacity, optional main breaker, terminal connections. Primary breakers supplied for each module.

*Overseas voltages and frequencies available. Consult factory.

Order Information, Dimming Modules:

Cabinets:	Main CB Cap:	Incandescent:	Neon/Cold-Cathode:	Non-Dim Modules:	Fluorescent, Mark VII
<input type="checkbox"/> VP-DC6/TB	<input type="checkbox"/> 40-Amp	<input type="checkbox"/> VP-2/I-120	<input type="checkbox"/> VP-2/NC-120	<input type="checkbox"/> VP-ND-120	<input type="checkbox"/> Mark VII CICB
<input type="checkbox"/> VP-DC6/MB	<input type="checkbox"/> 50-Amp	<input type="checkbox"/> VP-2/I-240	<input type="checkbox"/> VP-2/NC-240	<input type="checkbox"/> VP-ND-240	<input type="checkbox"/> VP-2/ADV-120
<input type="checkbox"/> VP-DC12/TB	<input type="checkbox"/> 60-Amp	<input type="checkbox"/> VP-2/I-277	<input type="checkbox"/> VP-2/NC-277	<input type="checkbox"/> VP-ND-277	<input type="checkbox"/> VP-2/ADV-277
<input type="checkbox"/> VP-DC12/MB	<input type="checkbox"/> 70-Amp	<input type="checkbox"/> VP-D1/I-120			
	<input type="checkbox"/> 90-Amp	<input type="checkbox"/> VP-D1/I-240			
	<input type="checkbox"/> 100-Amp				

JOB NUMBER:

APPROVAL STAMP

JOB NAME:

CUSTOMER:

P. O. #

Electronics Diversified, Inc.

PRODUCT DATA SHEET

A139

1675 N.W. Cornelius Pass Road ● Hillsboro, Oregon 97124 U.S.A.

Phone: (503) 645-5533 ● FAX: (503) 629-9877 ● Web Site: www.edionline.com

Electrical Characteristics

Input Power: Single phase, 120/240 VAC, 50/60 Hz. 3-phase compatible.

Operating Environment: Temperature range: 32° F. (0° C) to 104° F. (40° C). Humidity range: 0% - 90% non-condensing.

Primary Disconnect: Up to 100 Amp.

Physical Characteristics

Dimensions: (6-pack) 30" H x 20" W x 4" D (76.2cm x 50.8cm x 10.16cm)
 (12-pack) 46" H x 20" W x 4" D (116.84cm x 50.8cm x 10.16cm)

Shipping Weight: (6-pack) 150 lbs (68.04kg)
 (12-pack) 200 lbs (90.72kg)

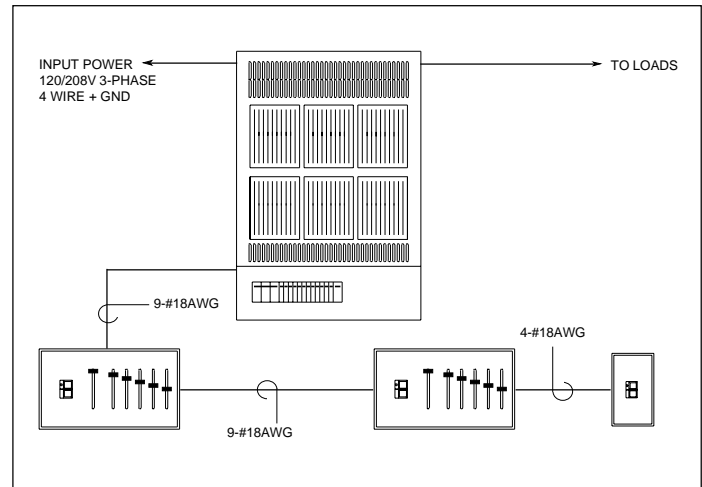
Dimming Module Description

All Versa-Pak modules are U.L. listed and labeled for load operation.

Incandescent Model Number	Description
VP-2/I-120	Single 20 Amp (2400W) 120VAC dimmer
VP-2I-240	Single 20 Amp (4800W) 240VAC dimmer
VP-2/I-277	Single 20 Amp 277VAC dimmer
VP-D1/I-120	Dual 10 Amp (1200W) 120VAC dimmer
VP-D1/I-240	Dual 10 Amp (2400W) 240VAC dimmer

Neon/Cold-Cathode Model Number	Description
VP-2/NC-120	Single 20 Amp 120VAC neon or cold-cathode dimmer
VP-2/NC-240	Single 20 Amp 240VAC neon or cold-cathode dimmer
VP 2/NC-277	Single 20 Amp 277VAC neon or cold-cathode dimmer

System Riser



Non-Dim Modules Model Number	Description
VP-ND-120	Single 20 Amp 120VAC non-dim
VP-ND-240	Single 20 Amp 240VAC non-dim
VP-ND-277	Single 20 Amp 277VAC non-dim

Fluorescent Ballast Model Number	Description
Mark VII CICB	Consult factory for specific ballast information.
VP-2/ADV-120	Single 20 Amp 120VAC fluorescent dimmer
VP-2/ADV-277	Single 20 Amp 277VAC fluorescent dimmer

Specifications

- The dimmer enclosure shall not exceed:
 (six-pack) 20" W x 30" H x 4" D.
 (twelve pack) 20" W x 46" H x 4" D.
 The enclosure shall surface mount.
- The dimmer enclosures shall accommodate, single 20 Amp and/ or Dual 10 Amp modules.
- Standard and low voltage incandescent, quartz, standard and/or dimming ballast fluorescent, and neon, or cold-cathode models shall be accommodated in the same enclosure.
- The dimming system shall be convection cooled. Each module shall include a thermal sensor to shut down the dimmer if the heatsink temperature exceeds 185° F. (85° C).
- The dimmers shall use an encapsulated pair of silicon controlled rectifiers to provide symmetrical alternating current output to the load at any output level from OFF to FULL intensity. The entire load of the dimmer shall be carried solely by the silicon-controlled rectifiers. The silicon-controlled rectifier shall inherently be designed in such a manner so that it is impossible for any spurious voltage to be transferred to the control wires and damage low voltage electronics. In addition to the optical isolation provided internally in the power cube device, the protection design shall employ a combination of Metal Oxide Varistors (MOV's), pico fuses and/or transzorbos to provide complete protection. Dimmer modules without an individual thermal sensor shall not be acceptable.
- Each module shall have a toroidal, copper-wound, iron-core high performance choke. Performance rise time shall be no less than 325 µS. All measurements are from 10% to 90% at full load.
- Filters shall not be required for fluorescent or neon/cold-cathode models.
- All primary and branch circuit breakers shall be fully magnetic.
- The maximum heat loss for each 2.4Kw dimmer shall be no greater than 59 watts per dimmer or 100 BTU's per hour per connected Kw of load.
- A main disconnect, molded-case primary circuit breaker shall be supplied in the enclosure. (Optional)
- The dimmers shall operate over an input voltage range of 90 to 140VAC. Nominal input voltage shall be 120VAC. (120VAC dimmers only).
- Incandescent dimmers shall function properly with any load from 25 watts to rated capacity.
- All control electronics shall be incorporated on a single double-sided FR4-G10, U.L. Listed, printed circuit board.
- The dimmer enclosure and modules shall be U.L. Listed.
- The dimmer cabinet shall be the Versa-Pak series as manufactured by Electronics Diversified, Inc., Hillsboro, Oregon, 97124 U.S.A.

Specifications subject to change without notice. Specification applicable to standard products only.
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