Features

- Space-saving design
- Economical load control for a small number of dimmers
- Convection cooled, requires no fans
- Dims standard or low-voltage incandescent, quartz, fluorescent, neon and cold-cathode sources
- Single 20 Amp capacity per module
- 120V, 240V and 277V models available
- Class II low-voltage control circuitry in DMX 512 format
- 3-digit thumbwheel for dimmer address
- 4 LED indicators on front panel
- High and low trim adjustments
- Individual Thermal Sensor
- U.L. Listed

Versa-Pak DMX Dimmer

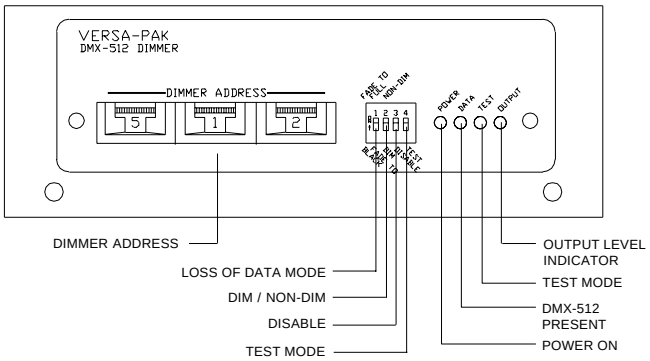
Description

The Versa-Pak DMX-512 dimmer is designed to receive a standard DMX-512 signal to control a single 20-Amp dimmed circuit. The compact, self-contained enclosure utilizes a single module to dim incandescent, quartz, low-voltage, fluorescent, neon and cold-cathode sources. The dimmer has additional features to allow for output testing, operating in a dimmer, non-dim, or bypass mode. The module can be configured to fade to full or out in the event of loss of signal.

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

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

Versa-Pak DMX



Order Information:

Incandescent Modules:	Neon/Cold-Cathode:	Non-Dim Modules:	Fluorescent, Mark VII:
❒ VP-2/DMX/I-120	❒ VP-2/NC-120	❒ VP-ND/DMX-120	❒ Mark VII CICB
❒ VP-2/DMX/I-240	❒ VP-2/NC-240	❒ VP-ND/DMX-240	❒ VP-2/ADV-120
❒ VP-2/DMX/I-277	❒ VP-2/NC-277	❒ VP-ND/DMX-277	❒ VP-2/ADV-277

JOB NUMBER:

JOB NAME:

CUSTOMER:

P. O. #

APPROVAL STAMP

Electronics Diversified, Inc.
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

Versa-Pak DMX Dimmer

Electrical Characteristics

Input Power: Single phase, 120/240 VAC, 50/60 Hz. 20 Amp.
Circuit Breaker: by others,

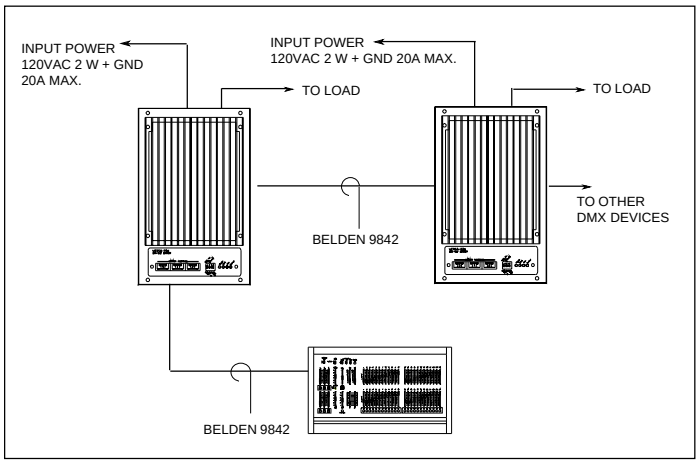
Operating Environment: Temperature range: 32° F. (0° C) to 104° F. (40°C). Humidity range: 0% - 90% non-condensing.

Physical Characteristics

Dimensions: 9½" H x 6" W x 4" D
(24.13cm x 15.24cm x 10.16cm)

Shipping Weight: 9 lbs (4.08kg)

System Riser



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

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

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

1. The enclosure shall surface mount.
2. The enclosure shall accommodate a single 20 Amp dimmer.
3. The dimmer shall dim standard and low voltage incandescent, quartz, standard and/or dimming ballast fluorescent, and neon, or cold-cathode.
4. The dimming system shall be convection cooled. The module shall include a thermal sensor to shut down the dimmer if the heatsink temperature exceeds 185° F. (85° C).
5. 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 transzorbs to provide complete protection. Dimmer modules without an individual thermal sensor shall not be acceptable.
6. 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.
7. Filters shall not be required for fluorescent or neon/cold-cathode models.
8. 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.
9. The dimmers shall operate over an input voltage range of 90 to 140 VAC. Nominal input voltage shall be 120 VAC. (120 VAC dimmers only).
10. Incandescent dimmers shall function properly with any load from 25 watts to rated capacity.
11. All control electronics shall be incorporated on a single double-sided FR4-G10, U.L. Listed, printed circuit board.
12. The dimmer enclosure and modules shall be U.L. Listed.
13. The dimmer system shall be the Versa-Pak DMX series as manufactured by Electronics Diversified, Inc., Hillsboro, Oregon 97124. U.S.A.

Electronics Diversified, Inc. 1675 N.W. Cornelius Pass Road Hillsboro, Oregon 97124 U.S.A. Phone Toll Free: 1-800-547-2690