VisionLynx

PLVLMVP

Dimmer Panel Processor Retrofit for EDI MVP 6/12 Pak Dimmer

The PLVLMVP is a processor retrofit kit for EDI (Electronics Diversified) MVP-6/12 Pak Dimmers. A cost-effective alternative to replacing a dimmer panel, the retrofit replaces the MVP's control electronics at a fraction of the cost. No electrical work is required, and downtime is minimal.

PLVLMVP quickly installs directly into the dimmer panel without external racks or wall boxes. Featuring DMX-512A and multiple contact closure inputs, PLVLMVP works with most control systems. If properly maintained, PLVLMVP typically adds 10 or more years of reliable service to the life of an MVP6/12 Pak.

FEATURES

- Replaces MVP processor and backplane with modern, reliable electronics. Compatible with OEM dimmer rack wiring for fast, easy installation.
- Maintains existing power feed, load circuits, control wiring, SSR's, heat sinks, thermostats, chassis, and internal wiring. No electrical work required to install.
- Upgrade kit installs directly to existing EDI MVP 6/12 Pak dimmer panels. No external racks or boxes required.
- Backlit LCD display and keypad provide "at a glance" input, status, and dimmer level information with an intuitive user interface.
- Compatible with 3-phase and single phase120/208vAC power feeds.
- Up to (100) user programmable scenes with playback via smart remotes, simpl remotes, contact closures, or integrated time clock events.
- Scenes can be programmed and edited from the front panel, or recorded for incoming DMX Levels.
- On-board real time clock with stand-alone daily, weekly, and yearly events.

CONNECTIVITY

- DMX-512A input and Thru
- (8) Momentary Contact Closure Inputs
- (1) Smart Remote Input compatible with Kinetrol ArcFade and other LitNet control stations.

PHYSICAL & ELECTRICAL

- Electrical: 120vAC 50/60hZ, 2A
- Ambient Temperature: 32° – 104°F
- Relative Humidity 10% to 90%, non-condensing

ORDERING INFORMATION

Part #	Description
PLVLMVP	Processor Upgrade for EDI MVP-6 and MVP-12 Dimmer Panels. Provides control via addressable DMX512 Input. Includes LCD Display, adaptive metalwork, I/O Board with PSU, and wiring harness.
PLVLAPP01	Decora Simple Remote, Two Momentary Position Switch with Center Off, Single Gang Box, Low Voltage. White Finish.
PLVLDEC1GWH	Screwless Faceplate for Decora Devices. 1 Gang, White.

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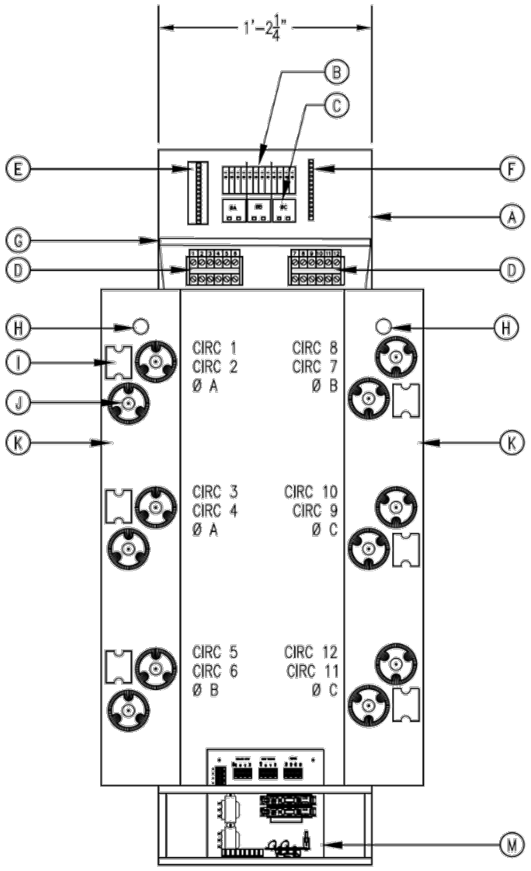
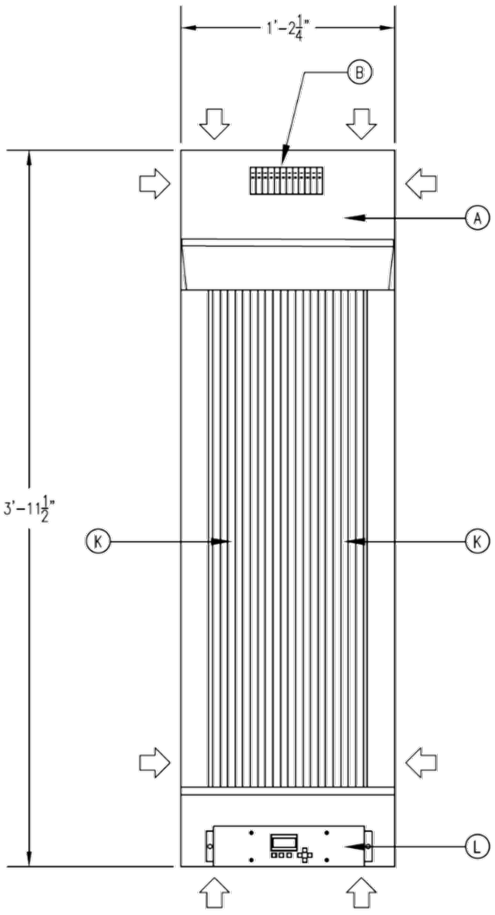
MVP 6/12 PAK WITH RETROFIT INSTALLED



FRONT VIEW
(HEAT SINKS OPEN, COVER REMOVED)



FRONT VIEW
(HEAT SINKS CLOSED, COVER INSTALLED)

DRAWING NOTES

(A) ELECTRONICS DIVERSIFIED (EDI) MVP-12 12-CIRCUIT DIMMER PANEL (EXISTING). MAINTAIN EXISTING LOAD, FEED, AND CONTROL WIRING. INSTALL RETROFIT CONTROL ELECTRONICS AS SHOWN.

(B) BRANCH CIRCUIT BREAKERS, 20A, 1-POLE

(C) FEED INPUT LUGS

(D) LOAD CIRCUIT TERMINATION BLOCK

(E) NEUTRAL BUSS

(F) GROUND BUSS

(G) HEAT DEFLECTOR

(H) THERMISTOR, EXISTING. TYPICAL OF (2). MAINTAIN AND CONNECT EXISTING WIRING TO INTERFACE ASSY PER DWG. PLVLMVP-006.

(I) SOLID STATE RELAY (SSR), 40A. MAINTAIN AND CONNECT VIA NEW WIRING HARNESS TO PROCESSOR ASSY.

(J) CHOKE 20A 2.4K MVP

(K) HEAT SINK ASSY WITH (3) SSR'S, (6) CHOKES, (1) THERMISTOR. MAINTAIN EXISTING AND RECONFIGURE AS SHOWN. CIRCUIT NUMBERS AND PHASING AS SHOWN. TYPICAL OF (2).

(L) VISIONLYNX PROCESSOR ASSY FOR PLVLMVP RETROFIT (DWG. PLVLMVP-003). REMOVE EXISTING PROCESSOR CARD AND COVER PANEL. MAINTAIN EXISTING WIRING FOR CONNECTION TO NEW PROCESSOR AND INTERFACE ASSY. MOUNT PROCESSOR ASSY TO EXTERIOR OF DIMMER PANEL IN FRONT OF EXISTING PENETRATION IN COVER AS SHOWN.

(M) VISIONLYNX INTERFACE ASSY FOR PLVLMVP RETROFIT (DWG. PLVLMVP-002). REMOVE EXISTING MVP POWER SUPPLY. MAINTAIN EXISTING WIRING FOR CONNECTION TO NEW PROCESSOR AND INTERFACE ASSY. MOUNT TO EXISTGIGN PROCESSOR CARD AND POWER SUPPLY MOUNTING STUDS IN MVP PANEL.

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