

MVP D-TEK™

Multi Voltage Power 9V to 220V AC/DC

FEATURES

- * First automatic Multi Voltage Power detector to operate in both fail safe and fail secure modes
- * One detector covers all the voltages
- * Enhanced Lightning/Surge immunity
- * Aluminum RF shield housing
- * Loop conditioner built in
- * Loop isolation transformer
- * Loop diagnostics
- * Frequency counter
- * Gold plated control contacts
- * 2 relays (presence & pulse or presence)



APPLICATIONS

EMX Industries Inc. has designed the MVP D-TEK™ for applications where vehicle detection is needed. MVP D-TEK™ makes it simple to manage your stock. All you need is one detector in your stock room and on your truck. The MVP D-TEK™ solves the problem of not knowing which voltage to take for service call or an installation. Reduce the costs of inventory by stocking only one universal voltage loop detector.

ORDERING INFORMATION

MVP-DTEK 9V-220 V AC/DC Loop Detector
HAR-11 3 foot 11 pin harness
LD-11 11-pin socket base DIN rail mount
PR-XX EMX Lite preformed loop XX = size

We accept Visa, MasterCard, American Express card orders and company purchase orders with approved credit

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EMX
INDUSTRIES, INC.

TECHNICAL INFORMATION

ACCESSORIES

Power	9 VDC to 240VAC
Current Consumption	19.2mA @ 9VDC 18.8 mA @ 12VDC 17.3 mA @ 24VAC 9.5 mA @ 24VDC 13.5 mA @ 115VAC 11.0 mA @ 237VAC
Operating Temperature	-40° F to + 180° F
Surge Protection	Zener Diode /MOV
Output relays (2)	1Amp 30 VDC
Loop input	Transformer Isolation, lightning and transient protection (1)
Loop Inductance range	20 – 2000 uH Q-factor of 5 or higher
Tuning	Automatic on reset or power up
Tracking	Automatic for environmental changes
Size	Height 3.25" (83mm) Width 2.56" (40mm) Length 3.65" (90mm)
Housing	Extruded Anodized Aluminum
Connector	86CP11 11 pin male
Indicators (LED)	Power, frequency, loop fail, detect, extend output
Controls	
SENSITIVITY, PULSE ON ENTER, PULSE ON EXIT, 4 MINUTE LIMIT, INFINITE PRESENCE, SECOND PRESENCE RELAY, FREQUENCY, FAIL SAFE / FAIL SECURE, FILTER, AUTOMATIC SENSITIVITY BOOST, 3, 6, 9 SECOND EXTEND DETECT OUTPUT	
(1) Loop circuitry will withstand discharge of 10uF capacitor charged to 2KV across the loop inputs or from either input to earth ground. The isolation transformer allows operation with loops that have a single point to ground short.	



HAR-11 3 foot Harness

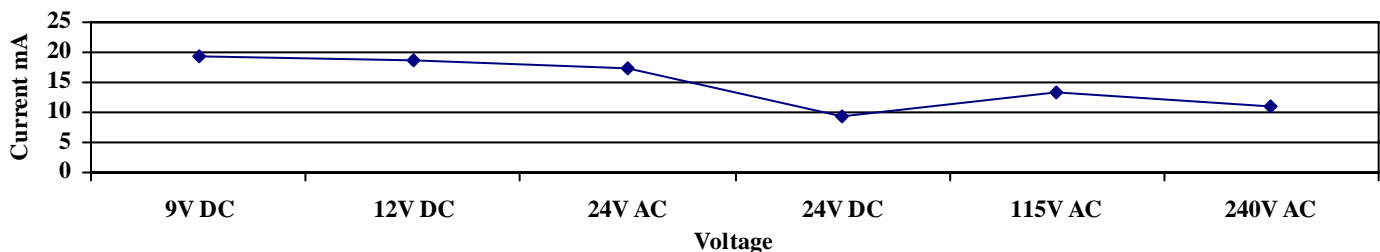


LD-11 Socket DIN Rail Mountable



PR-XX Preformed Loop with lightning protection built in.

Current Consumption



WARRANTY

EMX INC. the product described herein for a period of 2 years under normal use and service from the date of sale to our customer. The product will be free from defects in material and workmanship. This warranty does not cover ordinary wear and tear, abuse, misuse, overloading, altered products, or damage caused by the purchaser from incorrect connections, or lightning damage.

There is no warranty of merchantability. There are no warranties expressed, implied or any affirmation of fact or representation which extend beyond the description set forth herein.

EMX Inc. sole responsibility and liability, and purchaser's exclusive remedy shall be limited to the repair or replacement at EMX's option of a part or parts not so conforming to the warranty. In no event shall EMX Inc. be liable for damages of any nature, including incidental or consequential damages, including but not limited to any damages resulting from non-conformity defect in material or workmanship.