

LP D-TEK

LOW POWER "FAIL SAFE" VEHICLE
LOOP DETECTOR

Applications

EMX Industries Inc. has designed the LP-DTEK for applications where vehicle detection is needed and low power consumption is desired. The LP-DTEK's low 9 mA current draw make it ideal for solar applications and gate or door operators that require many accessories drawing from the same power supply. The lower current requirement means smaller solar panels are needed reducing costs.

LP D-TEK



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Indicators & Controls

- **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



Accessories



HAR-11



LD-11



PR-XX

Technical Data

Power Supply	12 – 24 Volts AC/DC
Current Consumption	< 9 mA
Operating Temp	-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

Ordering Information

- LP-DTEK 12-24 V AC/DC Vehicle 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

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. Rev 2.1 07/09/08