

D-TEK-LM

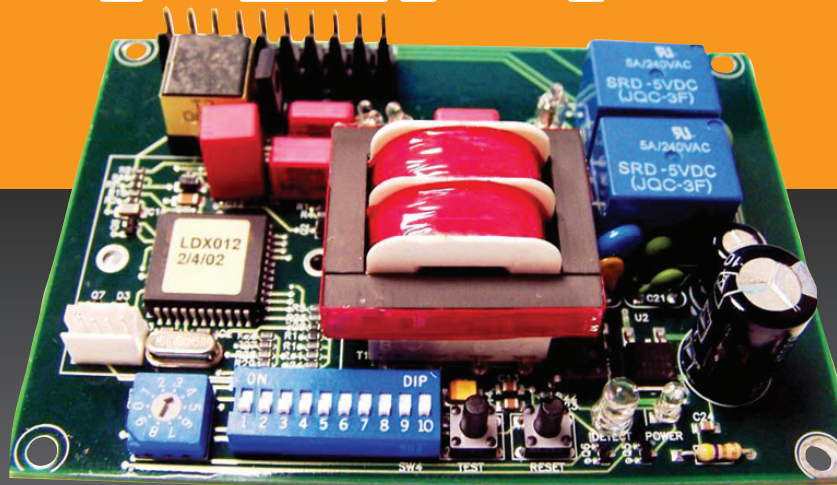
Board Type Vehicle Loop Detector

Applications

The D-TEK-LM™ is used as replacement for the Manufacturer original Vehicle Detectors for the Models 670, 575, 585 and the 590 operators.*

The D-TEK-LM™ may also be used in any location protected from the weather to detect vehicles for annunciation, triggering cameras, lighting, etc. where 24 Volt AC power is provided. Wiring hookup is simplified using the HAR-7 wiring harness.

D-TEK-LM



EMX Industries, Inc.

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FEATURES

Full fledged plug-in detector that works with many of the Chamberlain operators, like 670, 575, 585 & 595 models.*

- Loop Diagnostics
- Loop Isolation Transformer
- Loop Conditioner
- Surge Protection
- Loop Frequency Counter
- 10 Gold Plated Sensitivity Controls
- 8 Gold Plated Function Controls
- 6 Gold Plated Controls for Frequency, Reset & Frequency Counter
- Two High Intensity LED Indicators



EMX Lite Preformed Loop



HAR-7 Pin Female Harness

Technical Data

| | |
|---|---|
| Power Supply | 24V AC |
| Current Draw | 100 mA max. |
| Dimensions | L= 4.125in (104mm) W= 2.687in (68mm) H= 1.1in (28mm) |
| Weight | 0.32 lbs. (144.6g) |
| Loop Inductance | 20...2000µH (Q factor > 5) |
| Environmental Tracking | Automatic Compensation |
| Operating Environment | -40° C...82° C (-40°F...180° F) 0...95% relative humidity |
| Connection | 10 Pin Male Molex 09-72-2101 |
| Loop Compensation | Isolation transformer allows operation with poor quality loops |
| Loop Frequency | 4 settings (low, med-low, med-hi, high) |
| Output Relays (2) | (2) 5A/125V AC Presence and Pulse |
| Extend Output | 3, 6 or 9 seconds DIP switch selectable |
| ASB (Automatic Sensitivity Boost) | Increases sensitivity after initial detection to prevent dropout due to high bed vehicles |
| Surge Protection | Loop circuitry protected by surge suppressors |
| Power / Loop Fault Indicator | Green LED |
| Detect / Frequency Count Indicator | Red LED |
| Reset Switch | Reset |
| Filter | Prevents detection from cross-traffic or RF interference (i.e. keying radio transmitter) |
| Sensitivity | 10 levels 0-9 |
| Environmental Protection | Conformal Coating |

Ordering Information

- D-TEK-LM 24V AC Board Detector (Plug in compatible with the Chamberlain 575,585, 595 and 670 Model Operators)*
- HAR-7 Female 10 Position Harness
- 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 1.2 12/1/10