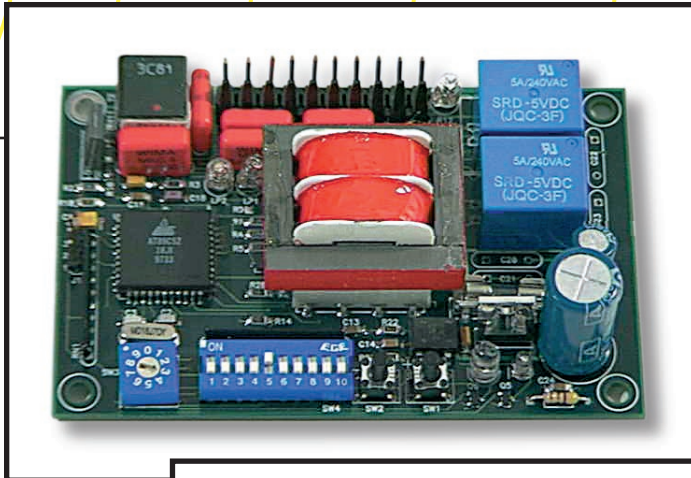


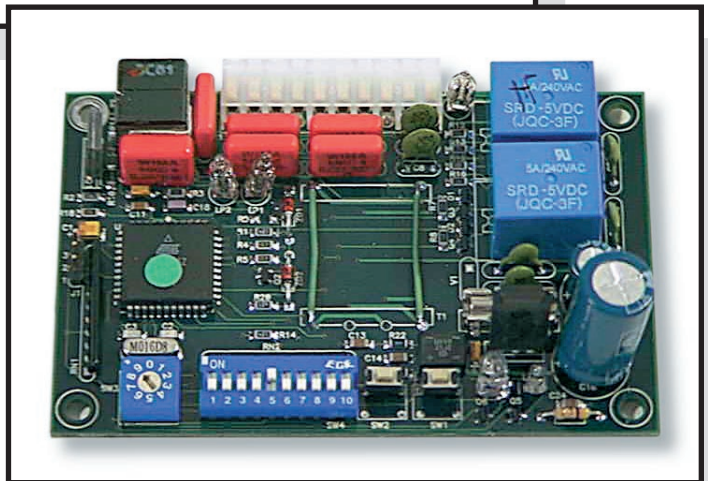


# Vehicle Loop Detector

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



MALE  
CONNECTOR  
D-TEK-P-7



FEMALE  
CONNECTOR  
D-TEK-P-9

We at EMX have designed the new D-TEK Vehicle Loop Detectors with the following objectives in mind:

1. Allow for easy installation into small operator housings.
2. All the controls must be accessible for easy installation and operation.
3. Detector must operate reliably with marginal loops.
4. Provide all the features and controls necessary for a variety of applications.
5. Use four layer board for maximum durability and RF blocking.
6. Provide maximum surge protection on all inputs and outputs of the detector.



Available at AFW Access Systems ~ 3670 NW 79th Street ~ Miami, FL 33147 ~ Phone: 305-691-7711  
Fax: 305-693-1386 ~ E-mail: [sales@anchormiami.com](mailto:sales@anchormiami.com) ~ Internet Address: [www.anchormiami.com](http://www.anchormiami.com)

# Technical Specifications

<b>POWER:</b>	The detector is available in the following voltages, 12V AC/DC, 24V AC, 24V DC, 110V AC. Maximum current draw 100mA.
<b>LOW POWER</b>	Detector is available with maximum current draw of 60mA.
<b>TEMPERATURE:</b>	-40F to + 180F
<b>ENVIRONMENTAL PROTECTION:</b>	Circuit board is conformally coated
<b>SIZE:</b>	Height = 2.687 inches 68 mm – Width = 4.125 inches 104 mm
<b>OUTPUT RELAYS:</b>	5A/125 V AC standard version, 1A/125 V AC low current version
<b>CONNECTOR:</b>	Male Molex D-TEK-P-7, 09-72-2101 or Female Molex D-TEK-P9, 09-62-3101
<b>SURGE PROTECTION:</b>	The detector is protected with neon discharge lamps, zener diodes and surge arrestors
<b>LOOP INPUT:</b>	Transformer isolated
<b>GROUNDING LOOP:</b>	The loop isolation transformer allows operation with poor quality loops
<b>LOOP INDUCTANCE RANGE:</b>	20 to 2000 microhenries with Q factor of 5 or higher
<b>TUNING:</b>	Detector automatically tunes to the loop after power application or reset
<b>TRACKING:</b>	Detector automatically tracks and compensates for environmental changes
<b>POWER INDICATOR:</b>	Green LED solid light indicates power
<b>LOOP FAILURE INDICATOR:</b>	Green LED blinks indicates loop problem
<b>LOOP FAILURE MEMORY:</b>	Green LED blinks with fast consecutive blinks indicates past loop problem that healed
<b>DETECT INDICATOR:</b>	Red LED solid light indicates detection
<b>EXTEND INDICATOR:</b>	Red LED blinks after a car left the loop indicates time extend feature
<b>SENSITIVITY:</b>	Is set by 10 position rotary switch
<b>FREQUENCY:</b>	Is set by DIP switch 9 and 10
<b>INFINITE PRESENCE MODE:</b>	DIP switch selectable presence
<b>LIMITED 4 MINUTES:</b>	DIP switch selectable presence
<b>PRESENCE TIME:</b>	DIP switch selectable
<b>SECOND PRESENCE RELAY:</b>	DIP switch selectable
<b>PULSE ON EXIT / ENTRY:</b>	DIP switch selectable
<b>FAIL SAFE / SECURE:</b>	DIP switch selectable
<b>FILTER:</b>	DIP switch selectable 2 seconds
<b>EXTENDED DETECTION:</b>	DIP switch selectable 3, 6 and 9 seconds
<b>COMPATIBILITY:</b>	The D-TEK is compatible with LD2000



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