

LK-109 Vehicle Detector (DIGITAL LOOP DETECTOR)

Features

- The LK-109 is an intelligent, extremely flexible and very affordable product.
- The LK-109 is designed to accommodate numerous applications, can be adjusted intelligently to any environments and virtually eliminating false detection.
- On the front panel, the four selectable loop frequencies (20~80 KHz) can completely eliminate any crosstalk.
- If intermittence happen or failed loops get self-healed, the detector will resume to normal operation without manually reset the detector.
- Self-tuning & complete environmental tracking.
- No warm-up required.
- Two-color LED status indicator for Detect, Power, and Loop Fault indication.
- Two separate output relays:
 - Output A is presence output.
Can be extended for 0, 2, 5, 8, 10, 15, 20 or 30 seconds, programmable with external DIP switches.
 - Output B, programmable with external DIP switches, provides presence, pulse on entry, pulse on exit, or failed output.
- By setting an external DIP switch, both outputs can be delayed for 2 seconds; this allows the detector to ignore vehicles passing over the loop faster than 5 miles per hour.
- 11-pin Amphenol rear connectors.
- ABS plastic case.



Specifications

Dimensions	42 W x 95 L x 75 H mm
Weight	< 220 grams
Supply Voltage	AC100V~240V
Power Consumption	Max. 6VA
Connector	Amphenol 86-CP11 (on rear)
Admissible Operating Temperature	-20°C ~ +60°C
Air Humidity	<95 % not bedewing
Loop Inductance	20-2000μH
Frequency Rang	20-80 kHz
Sensitivity	ΔL 0.01% to 2.56% with 16 Selectable Levels
Loop Lead	<500m
Relay	Operating/no load current principle adjustable via switch Contacts: 110V/220V, 5A
Signal Period, Impulse Time	>250ms
Response Time	10~90 ms