



LD100 SERIES Vehicle Loop Detector

- [Standard Features](#)
- [Technical Data](#)

The LD100 is a series of single channel inductive loop detectors. The use of microprocessor based technology enables a large number of functions to be incorporated into a small package.

Typical applications in the parking and access control environments are safety loops, arming loops and entry or exit loops.

STANDARD FEATURES:

Reset Switch.

The reset switch enables the detector to be manually reset during commissioning and testing. This results in the detector re-tuning the sensing loop and becoming ready for vehicle detection.

Selectable Pulse Time.

This feature sets the length of time that the pulse relay will be energized for 1 Second or 0.2 Seconds.

Pulse Relay Selection.

The Pulse Relay may be configured to energize on detection of a vehicle or when the vehicle leaves the loop.

Sensitivity Boost.

This feature sets the undetect level to maximum sensitivity and is used to prevent loss of detection of high-bed vehicles.

Switch selectable Sensibility.

Eight sensitivity settings are available on the switches to allow flexibility in configuration.

1. High	--	0.01%	5.	--	0.2%
2.	--	0.02%	6.	--	0.5%
3.	--	0.05%	7.	--	1%
4.	--	0.1%	8. Low	--	2%

Switch selectable Frequency.

Two frequency settings are available to prevent cross-talk between adjacent loops.

Filter Option.

This option is used to provide a delay between detection of the vehicle and switching of the output relay. This relay is normally used to prevent false detection of small or fast moving objects.

Permanent Presence Option.

This feature ensures detection of the vehicle will be maintained when the vehicle is parked over the

loop for extended periods

TECHNICAL DATA

1. Power Requirement	LD100	100 VAC / 220 VAC
	LD101	12 VAC/DC
	LD102	12-24 VAC/DC
	LD104	24 VAC/DC
2. Presence/Pulse Relay:	0.5A	
3. Indicators:	LED indicators show: Power, Detect state and Loop	
4. Detector Tuning Range:	15-1500 μ H.	
5. Frequency:	Two-step adjustable.	
6. Protection:	Loop isolation transformer, zener diode and MOV protection on loop input.	
7. Connector:	11 Pin Connector on rear of unit.	
8. Dimensions:	75mm(HIGH) x40mm(WIDE)x75mm(DEEP)	
9. Operations Temperature:	-40°C to +80°C -40°F to 176°F	
10. Storage Temperature:	-40°C to +85°C -40°F to 185°F	
11. Humidity:	up to 95% non-condensing	