



LD450/850 SERIES 4/8 CHANNEL VEHICLE LOOP DETECTORS

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The LD450 / 850 are Nema Card multi-channel inductive loop detectors. The detectors are pinout compatible with most Nema Card detectors on the market and are easy to set-up and install. Optional features include a RS485 communications port.

Typical applications in the traffic environment are traffic control (traffic lights), toll systems and vehicle counting.

Standard features of the detector are:

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 become ready for vehicle detection.

Presence / Passage Feature

Each channel can be individually setup to operate in presence or passage mode.

Selectable Presence Time

Each channel can be individually set up for a presence time of 10 minutes or 1 hour.

Switch Selectable Sensitivity

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

1. High	----	0.02%	5.	----	0.08%
2.	----	0.03%	6.	----	0.16%
3.	----	0.04%	7.	----	0.32%
4.	----	0.06%	8. Low	----	0.64%

Switch Selectable Frequency

Two frequency settings are available to prevent cross-talk between adjacent loops. The frequency can be setup on each channel separately.

TECHNICAL DATA

1. Power Requirement	19.6V – 28.8VDC
2. Presence Relay Output	This output has a normally closed relay contact.
3. Indicators:	LED indicators show: Detect state
4. Detector Tuning Range:	15-1500uH.
5. Frequency	Two step adjustable
6. Protection:	Loop isolation transformer, zener diode and MOV protection on loop input.

7.	Connector:	2 x 22 Terminal
8.	Dimensions:	175mm x 114 x 25mm
9.	Operations Temperature:	-40°C to +80°C
10.	Storage Temperature:	-40°C to +85°C
11.	Humidity:	up to 95% non condensing