

LD116 SERIES

Single + dual channel vehicle detectors - din rail mount



The LD 116 series of loop detectors have the same features and quality of the LD 100 series but are housed in a compact din rail mount enclosure.

These detectors are ideally suited to applications where space is limited and also as a replacement for imported European brands.

The eight sensitivity settings and ASB (automatic sensitivity boost) offer enough flexibility to detect small cars and high bed trucks.

With a very fast response time of 12ms the loop will provide an excellent safety feature for even the fastest doors and parking boom gates.

SPECIFICATIONS

POWER SUPPLY	11 - 26v ac/dc 100mA max.
PRESENCE / PULSE RELAY	Change over contact 0.5A /220vac
RESPONSE TIME	Approximately 120ms after vehicle enters loop
INDICATORS	LED indicators show: Power, detect state and loop fault.
DETECT TUNING RANGE	15—1500uH
LOOP FREQUENCY	Approx. 23 -130KHz
ENVIRONMENTAL TRACKING	Automatic Compensation
PROTECTION	Loop isolation transformer with zener diodes and gas discharge tube.
CONNECTOR	10 way removable screw terminal block
DIMENSIONS	110mm X 90mm X 25mm
OPERATING TEMPERATURE	-40 °C TO +80 °C

LD116 SERIES

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 energised for 0.1 second or 0.2 second.

Pulse Relay Selection.

The Pulse relay may be configured to energise 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 Sensitivity.

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

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

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 delay 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.

LD 216 ONLY

Selectable N/O or N/C relay output.

Internal jumpers enable the output relay contacts to be configured for normally open or normally closed contacts.

Direction Logic.

This feature enables the detector to give a pulse output on relay1 for a vehicle travelling from loop1 to loop2 and a pulse output on relay 2 for a vehicle travelling from loop2 to loop1.

Rotech Automation

Rotech LED Lighting

Rotech Fire + Safety

Rotech supply all forms of door + gate automation equipment. Call or email us for more information.

- * Swing Gate Operators
- * Sliding Gate Operators
- * Safety Systems
- * Industrial Door Operators
- * Boom Gates
- * Bollards
- * Turnstiles
- * Flap Gates