

# SafePass Loop Detectors

## LD140 Series Loop Detectors

Programmable loop detectors with diagnostics

*The LD140 series uses cutting edge technology to provide a loop detector with selectable parameters, all programmable from the buttons on the front panel.*



The LD140 has all the functions of a normal loop detector plus flexibility and acts as a loop analyser.

In addition to changing the function of relays and setting the loop sensitivity there is also an on board vehicle counter.

The LD140 counts vehicles as they move over the loop and keeps it's value in the event of a power failure, the counter has a maximum count of 999999.

The diagnostic capabilities enable you to quickly check loop inductance, loop faults and set the sensitivity very accurately ensuring no false triggers.

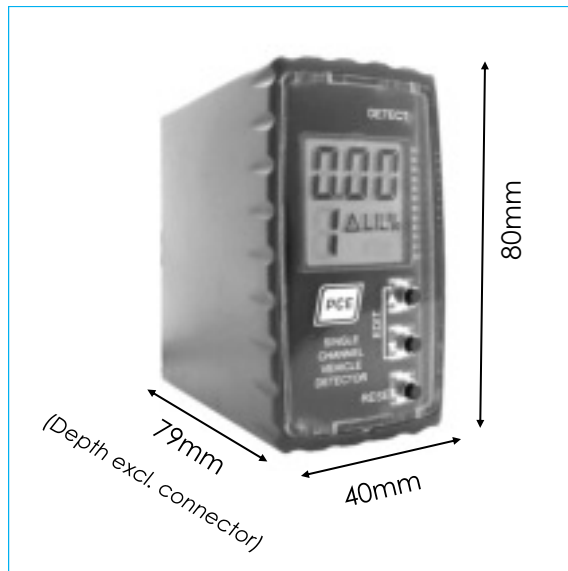
### LD140 Series Loop Detector programmable features include:

- Selectable detect sensitivity
- Automatic sensitivity boost option
- Filter timer and extend timer
- Selectable pulse time
- Relay 2 mode—Pulse on detect , pulse on undetect, presence or loop fault.
- Presence mode—Permanent or limited
- Selectable fail safe / Fail secure operation
- Adjustable loop frequency
- Power fail memory

## Technical Specifications

Specification	LD140	LD142
Power Requirement	240vac	12/24vac/dc
Presence Relay 1	Change over contact 0.5A / 220vac (Fail safe - normally energised) (Fail secure - normally de energised)	
Presence Relay 2	Change over contact 0.5A / 220vac (Pulse on detect - normally de energised) (Pulse on undetect - normally de energised) (Presence mode - normally de energised) (Loop fault mode - normally energised)	
Response Time	Default approximately 120ms after vehicle enters loop. Adjustable 50ms to 9.00 seconds	
Indicators	LED indicators show: detect state	
Detector Tuning Range	15—1500uH	
Loop Frequency	Approx. 23 -130 KHz	
Power Fail Memory	20 Seconds	
Environmental Tracking	Automatic Compensation	
Protection	Loop isolation transformer with zener diodes and gas discharge tube.	
Connector	11 Pin connector on rear of unit.	
Operating Temperature	-20°C to +70°C	

## Dimensions



Rotech supply all forms of door and gate automation

### Vehicle Access Control

- Booms Gates
- Sliding Gates
- Swing Gates
- Industrial Door Openers
- Solar Powered Gate Openers

### Pedestrian Access Control

- Full Height Turnstiles
- Waist Height Turnstiles
- Supermarket Gates/Turnstiles
- Wheelchair Access Gates
- Rapid Access Gates

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