

## LD140 SERIES

Programmable Loop Detectors with diagnostics



The LD 140 series uses cutting edge technology to provide a loop detector with selectable Parameters, all programmable from the buttons on the front panel.

The LD 140 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 LD 140 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.

### Programmable Features

- \* 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

<b>POWER SUPPLY</b>	LD 140 240vac      LD 142 12/24vac/dc
<b>PRESENCE RELAY 1</b>	Change over contact 0.5A / 220vac (Fail safe - normally energised) (Fail secure - normally de energised)
<b>PRESENCE RELAY 2</b>	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)
<b>RESPONSE TIME</b>	Default approximately 120ms after vehicle enters loop. Adjustable 50ms to 9.00 seconds
<b>INDICATORS</b>	LED indicators show: detect state
<b>DETECTOR TUNING RANGE</b>	15—1500uH
<b>LOOP FREQUENCY</b>	Approx. 23 -130 KHz
<b>POWER FAIL MEMORY</b>	20 Seconds
<b>ENVIROMENTAL TRACKING</b>	Automatic Compensation
<b>PROTECTION</b>	Loop isolation transformer with zener diodes and gas discharge tube.
<b>CONNECTOR</b>	11 Pin connector on rear of unit.
<b>DIMENSIONS</b>	80mm (H) x 40mm (W) x 79mm (Depth excl. connector)
<b>OPERATING TEMPERATURE</b>	-20°C to +70°C

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