



# Intelligent Parking System

## Vehicle Detector

### Vehicle Loop Detector

#### 1-Channel LD-170



#### Features:

- The LD-170 is an intelligent, durable and compact product with 3 digit, seven segment, LED display for accurate diagnosis of loop & installation issues friendly.
- The LD-170 is designed to accommodate numerous applications, such as parking, access control, traffic control and toll system, gate / fence system etc.
- Loop frequency read from display directly.
- If intermittence happen or failed loops get self-healed, the detector will resume to normal operation without manually reset the detector.

- Self-tuning & environmental tracking.
- Normal & Inverse mode are easily to select in the field.
- 3 x LED status indicators for Detect, Power, loop Fault & relay A status indication.
- Two separate output relays:
  - Output A is presence output can be extended from 0, 1, 2, ~ 30, 31 seconds over 30 levels.
  - Output B, programmable and provides presence, pulse on entry, pulse on exit & four selectable Pulse time.
- Both A or B output can be delayed for 2 seconds. This allows the detector to ignore the vehicles passing over the loop faster than 5 miles per hour.
- 11 pin Amphenol connector on rear.
- ABS plastic case.
- Option: IP65 graded.



## Specifications:

### Physical Dimensions

57mm(D) x 40mm(W) x 63mm(H)

### Physical Weight

< 150 grams

### Physical Connector

Amphenol 86-CP11 (on rear)

### Supply Voltage

LD-172 : AC 100~240V (50~60Hz)

LD-173 : 12V~24V AC/DC

### Power Consumption

Max. 3VA

### Operating Temperature

-25°C ~ + 70°C (-13°F ~ 158°F)

### Air Humidity

<95 % relative, non-condensing

### Loop Inductance

20-2000μH

### Frequency Range

14kHz- 100 kHz

### Sensitivity

ΔL 0.01% to 2.56% with 16 Selectable Levels

### Loop Lead

<150m

### Relay

Operating/no load current principle adjustable via switch

Contacts: 250VAC, 8A

### Selectable pulse time

2s, 1s, 500ms, 250ms

### Response Time

25 ms

Perfect Security & Machinery Co., Ltd.  
7F-1, No.8, Sec. 1, Keelung Rd., Taipei 105, Taiwan  
Tel: 886-2-27477540  
Fax: 886-2-27666851  
E-mail: [psm.a8605@msa.hinet.net](mailto:psm.a8605@msa.hinet.net)  
[sales@psm.com.tw](mailto:sales@psm.com.tw)

Local Agent :



**P.S.M.**

※ The specifications are subject to change without prior notice.