

## DSP-11 Vehicle Detector



### Features

- ❖ Works on any in-ground inductive loop from 20 to 1500 microhenries.
- ❖ Designed to be cross talk free between other loops
- ❖ Automatically compensates for loop and lead-in sizes
- ❖ Switchless, self-adapting to most common installations
- ❖ Plug and play; Connect it up and watch it work
- ❖ Small profile, perfect for many installations
- ❖ Fail safe operation
- ❖ Wide low-voltage operation
- ❖ This series of Diablo Controls detectors are covered by United States Patent number US 7,132,959 "Non-Interfering Vehicle Detection."
- ❖ The DSP-11-LV is protected from damage if plugged into a higher voltage. No need to change a fuse or reset a circuit breaker, simply plug the detector into the proper voltage and it works.

### INDICATORS

**Green Power LED:** The green power LED blink once per second whenever the input voltage is sufficient for proper operation and the detector is operating normally. It will flash slowly for an open loop, and quickly for a shorted loop.

**Red Detect LED:** The red detect LED will indicate the status of the relay output.

### SPECIFICATIONS

<b>Loop Inductance:</b>	20 $\mu$ H to 1500 $\mu$ H (including lead-in inductance)
<b>Operating Temperature:</b>	-35°F to 165°F (-37°C to 74°C)
<b>Operating Voltages:</b>	DSP-11-LV 10.5 volts to 30 volts AC or DC @ 35 milliamps typical
<b>Output Ratings:</b>	1 amp @ 125 volts AC general use, 1 amp at 30 volts DC
<b>Physical Size:</b>	1.40" (H) x 1.40" (W) x 2.75" (D) 35.56 mm (H) x 35.56 mm (W) x 69.85 mm (D)

### 11-pin Amphenol 86CP11 pin out

Pins	Function
1	Power (DC + or AC Line)
2	Power (DC - or AC Neutral)
3	No connection
4	No connection
5	Output Relay Common
6	Output Relay Normally Open (closes for detect)
7	Loop Input
8	Loop Input
9	No connection
10	Output Relay Normally Closed (opens for detect)
11	No connection

### ORDERING INFORMATION

**DSP – 11 – LV**            10 to 30 volts, AC or DC

Visit our Website at [www.diablocontrols.com](http://www.diablocontrols.com) for the most current information on all of our products. Specifications are subject to change.



Veteran Owned & Operated

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