

DSP-11 Vehicle Detector

*A New, 11-Pin Plug and Play "Micro" Detector
All this and a 5-Year Warranty too!*

OPERATION

The DSP-11 Vehicle is a simple, switchless vehicle detector available with the industry standard 11-pin base.

Two models for your complete 11-pin vehicle detector needs:

- **The DSP-11-LV** which will operate on any voltage
- and any polarity from 10 to 30 Volts AC or DC.
- **The DSP-11-117** operates on 117 VAC lines.

This series of Diablo's detectors are covered by United States patent number US 7,132,959 "Non-Interfering Vehicle Detection". These detectors are virtually cross-talk free in most applications and have been specifically designed to handle parking, drive-through and access control applications.

FEATURES

Loop Size - Works on any in-ground inductive loop from 20 to over 1500 mH.

Indicators - Separate Power/Fail and Detect LEDs.

Detect Memory - Power interruptions of short duration are ignored. If power fails for approximately 1½ seconds or less the detector "remembers" a vehicle.

Sensitivity - Automatic - compensates for large loops and long lead-ins.

Output Relay - 1A at 125VAC General use, 1A at 30 VDC resistive. Both N.O. (closes for detect) and N.C. (opens for detect) outputs.

Loop Failure - The green power indicator flashes slowly if the loop circuit is open and quickly if the loop circuit is shorted. This detector will output a "Detect" for either of these loop failed conditions.

Model Types -

DSP-11-LV - Low voltage version 10 to 30 Volts AC or DC
DSP-11-117 - Medium voltage version for 117 Volts AC



Fail Safe Operation - The DSP-11 series of detectors are designed to be "Fail Safe" in their operation. The detector will output a "Detect" (contact closure) for a "Failed" loop condition **OR** a loss of power to the detector. **This "Fail Safe" detector should always be used on "safety" loops.**

Connector - Standard 11-pin (Amphenol 86CP11)
Pin assignments are:

- Pin 1 (black wire) - Power in (See model type)
 - Pin 2 (white wire) - Power in (See model type)
 - Pin 5 (yellow wire) - Output relay common
 - Pin 6 (blue wire) - Output relay N.O. - (closes for detect)
 - Pin 7 (gray twisted wire) - Loop input
 - Pin 8 (brown twisted wire) - Loop input
 - Pin 10 (pink wire*) - Output relay N.C. - (opens for detect)
- *This wire is black (with white) on some harnesses.

Operating Temperature - -35°F to 165°F (-37°C to 74°C)

Size - Height: 1.4" Width: 1.4" Depth: 2.75" overall



Stuck in traffic for over 30 years!

Phone: (866) 395-6677 (Toll Free)
DSP11_CUT_H

Web Site: www.diablocontrols.com