

DSP-11 Vehicle Detector

A New, 11-Pin Plug and Play "Micro" Detector

All this and a 5-Year Warranty too!

OPERATION

Diablo Controls has been listening! We now offer a complete line of our simple, switch less vehicle detectors available with the industry standard 11-pin base.

Three 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.
- **The DSP-11-230** operates on 230 VAC mains.

The DSP-11 detector adds yet another new dimension of simplicity to vehicle detectors. This vehicle detector incorporates new patent pending features that eliminate confusing switch setting options.

These new 11-pin detectors 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 μ H.

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 type - Voltage

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

DSP-11-117 - Medium voltage version for 117 Volts AC

DSP-11-230 - High voltage version for 230 VAC Mains.

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

FAX: (510) 490-4111

DSP11_CUT_C



Fail Secure option - Detectors are normally shipped with the "Fail safe" relay option - Detector will output a "detect" for a loss of power condition.

Units are also available for the "Fail Secure" type of operation. Consult factory.

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: (925) 837-1884 (Technical Help)

Web Site: www.diablocontrols.com