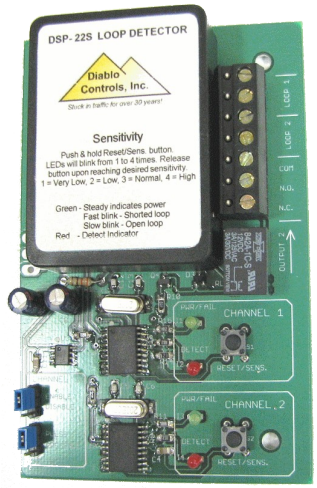
DSP-22S Vehicle Detector

OPERATION

A plug-in Two Channel Vehicle detector which will operate on 18 Volts DC nominal. The DSP-22S detector will add a new dimension of simplicity to your plug-in detector requirements.
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.



FEATURES

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

Indicators - Separate Power/Fail and Detect LED's for both channels.

Detect Memory - Power interruptions of short duration are ignored. If power fails for approximately 1 ½ seconds or less the detector "remembers" a vehicle.

Sensitivity and Reset Push Button - The Reset/Sens. button is used for two functions. A short press and release of the button will reset the detector and the LED's will both flash from 1 to 4 times, indicating the detector's sensitivity level. The detector is shipped from the factory with the sensitivity set at level 3.
If a different sensitivity level is required:
Push and continue to hold the button until the LED's start flashing - release the button immediately after the desired number of flashes.
For example, if the sensitivity is to be changed to level 2, push and hold the button until the LED's flash twice then immediately release the button.
The sensitivity level can always be verified by a quick tap on the pushbutton. This will reset the detector and flash the two LED's indicating the present level.

Level 1 - Very Low
Level 2 - Low
Level 3 - Normal (Factory setting)
Level 4 - High

Loop Failure - The green power indicators 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.

Outputs - Solid-state (open transistor collector) for Channel 1 Detect. And a SPDT - 1 Amp relay output for Channel 2.

Size - Height: 4.4" Width: 3.0" Depth: 0.8"

Connector -3 position Male for mating with the gate operator.

7-Pin Connector for external connections.

1 - Loop input for Detector #1
2 - Loop input for Detector #1
3 - Loop input for Detector #2
4 - Loop input for Detector #2
5 - Channel 2 Relay N.O.
6 - Channel 2 Relay COM
7 - Channel 2 Relay NC.

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

Ordering Information -

DSP-22-1 Single Channel unit
DSP-22-2 Two Channel unit

Diablo Controls, Inc.
Stuck in traffic for over 30 years!

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DSP22_CUT_F

Web Site: www.diablocontrols.com