

# DSP-22 Vehicle Detector

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

## OPERATION

A plug-in Two Channel Vehicle detector which will operate on 18 Volts DC nominal. The DSP-22 detector will add a new dimension of simplicity to your plug-in detector requirements. This patent pending detector has been specifically designed to handle parking, drive-through and access control applications.

This vehicle detector incorporates all of the quality features of our other detectors while eliminating the switch options that we find are confusing and not necessary for most applications. The detector's small size and lack of any switches or dials becomes the industry's first plug-in "Plug-and-Play" detector.

The DSP-22 is preset to the normal sensitivity level used in parking/access control applications and tunes itself to the best operating frequency. It has built-in sensitivity compensation if the installation should have very large loops or long lead-in runs.

## FEATURES

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

**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.

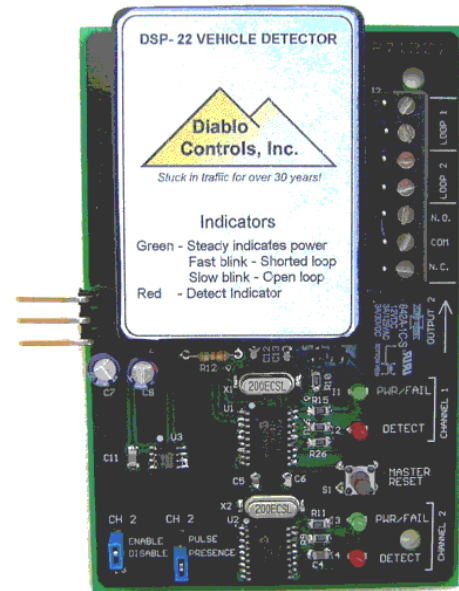
**Sensitivity** - Automatic - compensates for large loops and long lead-ins.

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

**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.

**Power** - 10 to 30 Volts DC (30 mA max. ).

**Reset Switch** - Easy access reset switch. Single pushbutton resets both channels.



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

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

7 Pin Connector on upper right of the detector 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)



*Stuck in traffic for over 30 years!*

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