LOOP DETECTOR LD-1

A New Plug and Play "Micro" Detector

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OPERATION

At last, a vehicle detector which will operate on any voltage from 10 to 30 Volts AC or DC. The DSP-7 detector adds yet another new dimension of simplicity to vehicle detectors.

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-and-Play" detector.

The DSP-7 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.

Environmental conditions are constantly compensated with the DSP-7's HYPERTRACK software.

FEATURES

Loop Size - Works on any in-ground inductive loop from 20 to 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 – Automatically compensates for large loops and long lead-ins.

Outputs - Both N.O. (closes for detect) and N.C. (opens for detect) outputs.

Output Relay Ratings - 1A at 125VAC General use, 1A at 30 VDC resistive.

Loop Failure - The green power indicator flashes twice per second if the loop circuit is open and 10 times per second if the loop circuit is shorted. This detector operates in the fail safe mode and will output a "Detect" for either of these loop failure conditions. This "Fail Safe" detector should always be used on "safety" loops.

Power - 10 to 30 Volts AC or DC, 25 mA max.

Size - Height: 1.52" Width: 2.9" Depth: 1.56"

Connector – Removable 7 position terminal block. Pin assignments are:

1 - Output relay (N.C. - opens for detect)
2 - Output relay common
3 - Output relay (N.O. - closes for detect)
4 - Power common
5 - Power in (10 to 30 Volts AC or +DC)
6 - Loop input
7 - Loop input

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