

TRAFFIC CONTROL / VEHICLE LOOP

VLP SERIES



DESCRIPTION

The VLP is a three terminal device designed specifically to protect the signal inputs to the vehicle detector unit. The device offers protection in the common mode (line to ground) and differential mode (line to line). Any of the three terminals may be used as ground, while the other two serve as inputs for two signal inputs. Specially selected solid state clamping elements have been chosen for the electrical design of the VLP. These elements have been arranged in such a manner as to appear virtually invisible to the detector unit, while offering the maximum surge protection available on the market today.

SPECIFICATIONS

Peak Surge Current (6 times)	
Diff. Mode.....	400A (8x20uS)
Com. Mode.....	1000A (8x20uS)
Occurrences.....	500 @ 200A (8x20uS)
Response Time.....	<5nS
Input Capacitance.....	<20pF
Temperature.....	-40 to 85°C
Weight.....	<3 Oz.
Operation Voltage.....	14V
Clamp Voltage	
Diff. Mode (@ 400A).....	27V
Com. Mode (@ 1000A).....	35V
SPD Technology.....	Sidactor

FEATURES

- Total Solid State Design
- Epoxy Encapsulated
- Designed For Digital Loop Detectors
- Recovers Automatically
- Common and Differential Mode
- Compact In Size
- Easy Installation

INSTALLATION

The VLP is designed to be installed on the equipment-side of the terminal strip. Simply loosen the three corresponding terminal strip screws and insert the VLP spade lugs under them. Remember, any one of the lugs may be used as ground. This unit is designed to fit either a terminal strip with 9/16" centers or 7/16" centers. Be sure to specify which size when ordering.

* Stud mounting and wire leads also available. See ordering/mounting information.

ORDERING / MOUNTING

VLP6.....	No. 10/32 x 3/8" Bolt
VLP7.....	7/16" Terminal Mount
VLP7W.....	7/16" Terminal Mount with GND wire
VLP9.....	9/16" Terminal Mount

*Please specify mounting when ordering.

HESCORLS

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For more information and product support call us at...

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