



Directional Vehicle Switch Pads



Directional Vehicle detection.

The patented Vehicle Switch Pads (VSP) is designed to be placed on driveways and car park entrances for monitoring vehicle movements where directional information is required.

The VSP is provided with an in-built detection loop coil that senses the vehicle above the switch pad and using the unique Nortech controller, with its many functional modes, the loop detector output and the tactile sensors are used to determine a vehicle presence and the direction of the vehicle. The VSP can also detect bicycles and pedestrians and their direction if necessary.

**Vehicle
Counting**

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**Directional
Detection**

EZYLOOPS® Systems

Vehicle Switch Pads

Ref: EL-VSP

Revision : 2
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25 November 2010

TECHNICAL DATA SHEET

PRODUCT NAME: Vehicle Switch Pad

PRODUCT IDENTIFICATION

MANUFACTURER'S CODE: VSP

SUPPLIERS NAME: TRAFFIC TECH PTY LTD
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Manufacturer: MtM International, Phone 03 9543 3633

EzyLoops systems, Surface Mounted Vehicle Activated Switch Pads (VSP) are a pressure activated electronic method of detection that provides "directional detection" of vehicles. They are pre-formed and encapsulated in a protective non-slip rubber surface mat, so that they may be laid onto the surface of a pavement as a single unit. The Surface mounted pads are NOT designed to be placed in situations that would subject them to motor vehicle speeds in excess of 25km per hr. The VSP comes with a 3 year manufacturers warranty and has an expected service life of 10 years.

Typical composition: Pad construction

Heavy-duty, extruded, rubber mat, which encapsulates the electronic switches and conductive loop, with a UV resistant, slip resistant, rubber mat surface. The standard sized mat is 630mm wide by 1240mm long, through to 920mm wide by 2400mm long.

Total Thickness (not incl. buttons)	Thickness of Lip	Weight Per Unit	Tensile Strength	Flexural Strength	Hardness (Rockwell)	Thermal Expansion
5.0mm (Nominal)	2.0mm (Nominal)	8.0 to 10kg	15 Mpa (Nominal)	110 Mpa	R77	7.5

Electrical Conductor

1x7 / .43 (1.00mm²) multi-strand insulated cable.

Configuration = Typical, Four turns.

Inductance = 120uH

Electrical feeder details

Max Operating Voltage: 24 V DC
Operating Current: Min 50 micro amps to 20 milli amps Max, Resistive.

Feeder cable, Min 3 core x (0.75mm²) multi-strand insulated cable.