



## Surface mounted pedestrian and bicycle switch pads



Used in conjunction with solar powered flashing light system

### Bicycle Switch Pad

Directional surface-mounted BSP for activation of priority bicycle signals.

These patented, pressure-activated pads can offer passive "presence detection" for pedestrians and directional detection of bicycles and wheelchairs as they approach or wait at a crossing.

The switch pads have been designed to be placed onto the surface of a bicycle way, pedestrian or wheelchair ramp. It is not intended that the switch pads be installed in situations that would subject them to constant motor vehicle passes.

The call can be cancelled if the pedestrian, bike or wheelchair moves off the pad. The software is compatible with all existing traffic control systems.

**Pedestrian  
Safety**

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**Driver  
Awareness**

# EZYLOOPS®

## Pedestrian Switch Pads

Ref: EL-PSP

Revision : 2

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25 November 2010

### TECHNICAL DATA SHEET

**PRODUCT NAME:** Pedestrian Switch Pad

**MANUFACTURER'S CODE:** PSP

SUPPLIERS NAME: **TRAFFIC TECH PTY LTD**  
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#### **PRODUCT IDENTIFICATION:**

EzyLoops systems, Surface Mounted Pedestrian Activated Switch Pads are a pressure activated electronic method of detection that provides both "passive presence detection" for pedestrians and "directional detection" for bicycles. They are pre-formed and encapsulated in a protective non-slip tactile surface mat, so 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 constant, high speed motor vehicle passes.

The PSP comes with a 3 year manufacturers warranty and has an expected service life of 10 years.

#### **TECHNICAL DESCRIPTION**

##### **Typical Composition:**

Heavy-duty, two-ply rubber mat, encapsulates the electronic switches, with a UV resistant, slip resistant, tactile mat surface. The standard sized mat is 650mm by 1200mm.

<b>Total Thickness (not incl. buttons)</b>	<b>Thickness of Lip</b>	<b>Weight Per Unit</b>	<b>Tensile Strength</b>	<b>Flexural Strength</b>	<b>Hardness (Rockwell)</b>	<b>Thermal Expansion</b>
3.5mm (Nominal)	1.5mm (Nominal)	8.0 to 10kg	15 Mpa (Nominal)	110 Mpa	R77	7.5

##### **Electrical 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 (.075mm<sup>2</sup>) multi-strand insulated cable.

#### **NON HAZARDOUS INGREDIENTS**

(According to Criteria of Worksafe Australia)

## **INSTALLATION:**

Installation of the surface mounted pedestrian pad is by way of a single part adhesive (SEKA FLEX 521UV). Once the location of the pad has been determined, mark-out around the pad with masking tape. Cut a channel from the "Feeder Cable" exit point of the pad to the nearest PJ Box. Then drill a hole down into the box. Apply the adhesive to the underside of the pad and place it in position. Seal the lead wire channel and then finish connection in the junction box.

