



# TVS 2 VEHICLE SWITCH INSTALLATION DETAILS

## 1. INTRODUCTION

The Tapeswitch TVS2 Vehicle Switch is a highly visible, durable and reliable road switch, used to detect a vehicle. The product consists of a Tapeswitch ribbon switch sealed inside a PVC co-extrusion, which is then housed in a ramped edged aluminum channel to allow the smooth running of vehicles over the switch. See Figure 1.

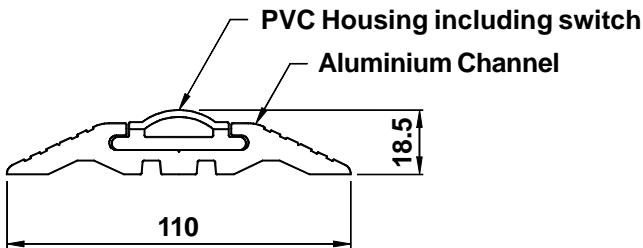


Figure 1

## 2. PRODUCT DESCRIPTION

The TVS2 can be fixed in position by simply drilling through the ramped edges and using fixing bolts to the road or floor. We recommend that TVS2 endplates are used to secure the road switch to the ground and to protect the cable exit. Endplates will increase the overall length by 120mm.

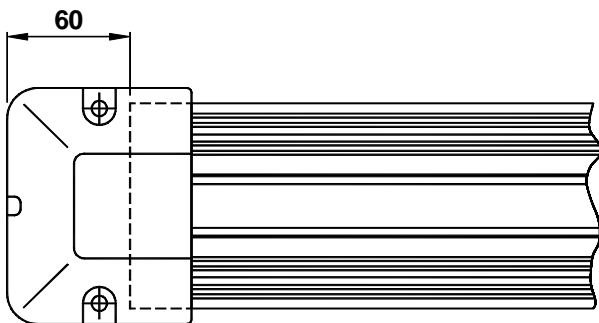


Figure 2

## 3. INSTALLATION

1. The surface on which the sensor is mounted must be sound and reasonably flat. Where the surface is rough, cracked or breaking up, it should be treated using proprietary sealing and levelling compounds.

2. To mount the TVS 2 using brown rawl plugs and screws we would recommend fixing holes 6mm diameter be drilled approximately every 1000mm centres, through each side of the mounting channel. Remove the channel and fit the plugs. Secure the channel in position using No.10 x 45mm screws. Note if countersunk screws are to be used then the channel needs to be countersunk to conceal the screw head.

3. Position the end plates over each end of the TVS 2. Using the endplates as a guide, drill pilot holes through each endplate. Remove the endplates and we recommend drilling the holes 6mm diameter. Refit the endplates and secure in position using No.10 x 45mm screws.

Ensure the cable is not trapped when tightening the screws.

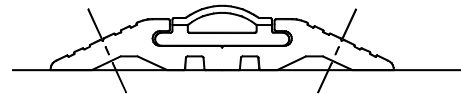


Figure 3