

DRE Resistive Safety edge installation manual

DRE Resistive safety edge

- Range of profiles and sizes
- Water drainage
- Durable
- Size easily modified



Purchase Methods

- Stock 1.8m lengths
- Fully assembled bespoke edges
- 25m roll and accessories

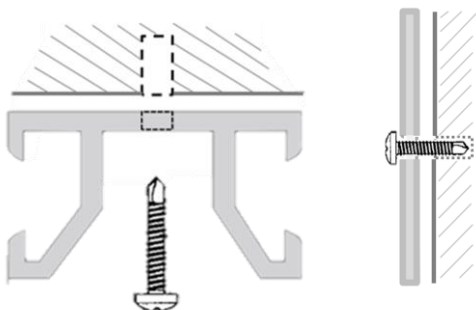
Specifications

Environmental	67IP
Switch Point	3mm
Travel before crushing	Dre30 15mm Dre50 17mm

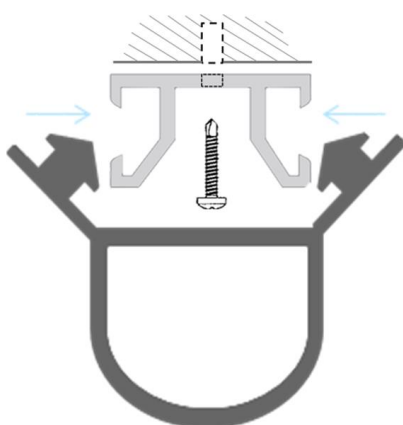
1 Description

Integrated resistive safety edges stand out from other edges because they are easy to fit and modify. The safety edge is rubber extrusion with a conductive polymer, EPDM, in the switching chamber. An 8K2Ω resistor in the end cap is measured when the safety edge is connected. When pressure is applied to the rubber extrude, the switching chamber closes and the circuit shorts. This is how the hazards are detected.

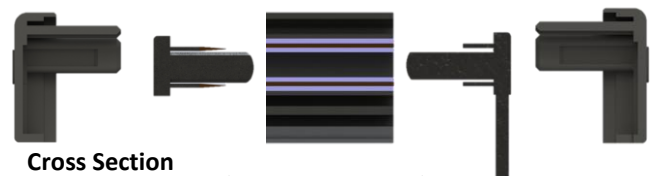
2 Hardware Installation



The aluminium rail can be mounted in a number of ways. 2 ways we recommend are either using a self-drilling screw or wall plug and screw.



The rubber profile clips onto the aluminium rail. It hides the rail and the gaps between the 1m lengths.



Push the end plugs into the EPDM rubber switching chamber. Make sure to cut the rubber edge straight to get the tightest seal around the switching chamber and plug. If the rubber edge is cut straight you do not need to use an adhesive. When mounting vertically it is advised to mount the 8k2 resistor plug (plug with no cable) at the bottom and drill a hole in the bottom end cap.

3 Configuration

The safety edges can be mounted in series using DEP-C connecting plugs. This means you can mount more than one safety edge into an 8K2 controller.

