



Consultant Specification

1. Scope of Work

- 1.1 To design and supply a continuous copper contact alarm strip that is specifically designed for the protection of staff against attack. This system will be suitable for Police custody units, Magistrates Courts, prisons building nursing homes, hospitals, health centres, airports, leisure centres, government buildings and other private and public sector establishments.
- 1.2 The system shall give staff the assurance that the system is live and functional by means of continuous illumination. Is easy to locate and operate in an emergency personal attack situation.

2. Standards and Regulations

- 2.1 Where applicable, the safe-zone alarm strip shall comply fully with the following British Standards and/or other nominated rules and regulations. The equipment manufacturer shall confirm compliance with the standards.
- 2.2 The equipment manufacturer shall be approved to BS EN ISO 9001 quality system standard for the manufacture of the equipment.
- 2.3 All associated wiring shall be installed in accordance with the current edition of BS 7671 (IEE Wiring Regulations), and/or other relevant national standards.

3. Safe-Zone Alarm Strip – Key Features

- 3.1 The Safe-Zone alarm strip will comprise of an anodised aluminium base that will be supplied in lengths of 2000mm max with pre-drilled countersunk holes

along the central channel @ 500mm centres. These holes shall be large enough to take No6 or No8 countersunk screws. The base will be supplied complete with M3x12 dowel pin for alignment. The anodised finish will be in either satin silver AA5 or bright anodised (chrome) AA5.

- 3.2 The Safe-Zone insert strip will be a composite construction with built-in continuous pressure welded copper contacts that will have an air gap between the two contacts of not less than 3-4.0mm. The two part composite construction shall be continuously welded together and act as an enclosed switch along the length of the activation zone.
- 3.3 The active zone of the composite pressure switch shall be 34mm wide and will allow for any impact made at any angle, anywhere across the width of the pressure switch to activate the alarm, making the whole of the deformable section active.
- 3.4 The end caps will be a 2 part anti-tamper design. The base section will incorporate the pre-wired end termination leads and contact and/or EOL (*end of line*) resistor with pre-determined fixing holes. The end cap top section will be a tight tolerance push-on fit onto 2 x 3mm x 12mm grooved pins so as to render the end cap tamper proof.
- 3.5 The Safe-Zone alarm strip will have the option of full length illumination by means of a flexible LED tape with a strippable self adhesive M3 tape backing. The illumination will be integrated with the EOL monitor for visual assurance. The light will extinguish if a fault is detected in the alarm strip wiring or if there is a break in the continuity of the copper contacts.
- 3.6 The 12v single zone electronic integrator unit will control and continuously monitor the alarm strip for faults and broken connections. In the event of a fault, the built in LED will flash green to signal a fault with the strip. Whilst also turning off the continuous LED lights in the push strip channel.

4. Overview

The Safe-Zone Panic Alarm Strip is the first continuous contact strip specifically designed for personal affray alarm activation. The unique, wide impact zone offers the user the best overall chance of calling for emergency assistance. The Safe-Zone can be used as a kick strip or hand operated strip, although its higher level of sensitivity gives staff the ability to activate the strip with any part of the body that can make contact with the strip.

In applications such as police station custody suites and magistrates courts, the Safe-Zone alarm strip should be fitted in accordance with the Home Office – *“Police Buildings Design Guide – Custody, and Court Standards and Design Guide.”*

Safe-Zone is designed to integrate with any call system, and can be used as a traditional panic alarm strip if LED illumination is not required, so as to allow for retro-fit and refurbishment projects.

