



THE KEY PRODUCT BENEFITS

1. Designed to protect smoke detectors from damage.
2. Reduces the risk of smoke detectors being used as a ligature point.
3. Solid metal structure gives greater impact resistance.
4. Holes for sensing on all five sides helps ensure correct operation of smoke detector.
5. Detachable front face allows access for maintenance.
6. Sloping slides cause ligature material to simply slide off.
7. Powder coated finish gives an appealing look.

THE PROBLEM

Smoke detectors are typically targeted in mental health units due to the disruption caused when a false alarm occurs. Smoke detectors that are vandalised not only disturb mental health wards, support functions such as estates departments are also involved to repair the damaged smoke detectors. If smoke detectors are not working due to vandalism the risk to occupants can be catastrophic, smoke detectors are vital in raising awareness when fires start.

Once it is known that a typical ward item such as smoke detector can easily be vandalised, the damage is often repeated. Estates and maintenance staff can find themselves continually replacing products not suitable for the mental health environment, due to more suitable products not being available on the market place.

Smoke detectors come in two main types: Optical are most suitable for sensing smouldering items Ion are most suitable for sensing flames.

THE SOLUTION

Clarke Delta® Anti-ligature Smoke Detector Protectors not only protect smoke detectors, but also reduce the risk of service users causing harm to themselves. Punched holes on five sides of the anti-ligature smoke detector protector enable the smoke detectors to function effectively. Smoke detector testers can, and should always be used once an anti-ligature smoke detector has been installed.

Clarke Delta® Anti-ligature Smoke Detector Protectors have been developed with support of mental health professionals that are not content with installing products that are likely to fail, and who demand products that are created to overcome challenges within the mental health sector. The Clarke Delta® Anti-ligature Smoke Detector Protector addresses both the risk to service users, and to equipment whilst also looking elegant in appearance.

MATERIAL

Electro Zinc Coated mild steel grade DC01 + ZE 25/25 to standard EN10152 : 2015.

Electro-Zinc Coated Steel sheet or Zintec is a cold rolled material that has been electrolytically coated with a thin layer of zinc for the frame.

Standard Thickness: 1.5mm.

CONSTRUCTION

Clarke Delta® Clarke Delta® Anti-ligature Smoke Detector Protectors consist of the following components:

1. Fixing frame with M6 Nutserts to secure to the ceiling.
2. Main body to cover the smoke detector.
3. 4-off M6 Button Head Pin Hex fixing to secure the main body to the fixing frame.

MANUFACTURE

All of our components are inspected to strict quality control measures. Components are manufactured by our network of ISO 9001 certified manufacturers.

FINISH

We offer polyester powder coating (PPC), as our preferred finishing method due to the quality of finish, full range of RAL colours and finishes available, scratch resistance, and a key factor being the environmental advantages.

Anti-bacterial powder coated.

COLOUR

BS4800 00E55 Semi Gloss (Antibacterial).

SHAPE

Sloping top and bottom or four sided sloping designs are available.

SIZES

Products are offered in a range of sizes manufactured to suit the required application.

In order to correctly size anti-ligature smoke detector protectors the following measurements are required:

1. **Width** - Measure the width of the existing smoke detector.
2. **Depth** - Measure the depth of the smoke detector.
3. **Height** - Measure from the ceiling to the front face of the smoke detector.

CONSIDERATION

Clarke Delta® Anti-ligature Smoke Detector Protectors are produced to order, meaning that an exact size can be manufactured for your project. If special detailing is required please contact our office to discuss.

* Smoke detectors should always be tested for full operation once Clarke Delta® Anti-ligature Smoke Detector Protectors are installed.

ENVIRONMENTAL

Clarke Delta® Anti-ligature Smoke Detector Protectors are recyclable, iron and steel are the world's most recycled materials.

SERVICES

Consultations can also be completed to ensure customers receive the best possible solution for their requirements.