

Product overview

The BTA fulfills the functions of fire detection and automatic activation of aerosol extinguishing generators with the aid of a thermosensor at a preselected temperature.

Functionality

The liquid in the glass bulb expands when the ambient temperature rises. At the specified activation temperature, the glass bulb bursts, causing the thermal mechanism to trigger the built-in firing pin. This ignites the capsule which activates the aerosol-generating mass.

Technical properties

- Response time index RTI 24m/ s.
- Strength (burden)= 4.1 kN.
- The color of the glass bulb indicates the triggering temperature:
 - Orange 57°C
 - Red 68°C
 - Yellow 79°C
 - Green 93°C
 - Blue 141°C
 - Mauve 182°C

Areas of application

- Switch cabinets
- non-accessible rooms
- Areas that are difficult to access
- Machine rooms



Assembly - Disassembly

Replacement of the glass bulb, which is pre-installed in the BTA unit, is not permitted. The BTA unit consists of various sensitive mechanical components that are carefully assembled and adjusted as a fully assembled unit prior to shipment to proper and reliable operation of the unit. Note that ALL individual parts of the BTA unit are glued together and that you must NOT attempt to tamper with the BTA or use external force during installation. Ensure that the safety pin is free to move before removing it from the unit when installation is complete.

Product handling - restrictions

The BTA must be handled with care as its operation is dependent on a fragile glass bulb. The glass vial of the BTA reacts sensitively to external shocks/vibrations and can break if used incorrectly. The BTA should NOT be used in harsh environments, with strong vibrations or external forces/shocks, e.g. in heavy industrial and rail vehicles.