Intrinsically Safe Range

The Cranford Controls' range of Intrinsically Safe products has been designed for Fire, Security and Plant Control applications in Hazardous areas, when used with a suitable Galvanic Isolator or Zener Barrier. The range includes sounders, beacons and sounder beacons with a supporting range of Manual call points, Galvanic Isolators and enclosures.

Cranford Controls' Intrinsically safe equipment offers a cost effective option when installing warning or indicating devices in a hazardous area and are designed to limit the release of electrical or thermal energy likely to cause ignition of a flammable or combustible atmospheric mixture.

The installation of Cranford Controls' range of Intrinsically Safe equipment must be supported by a suitable Galvanic Isolator or Zener Barrier and meet the specified "Zone" requirements for the protected area.

Features

- Approvals include ATEX, IECEx and GOST-R for Zone 0 applications.
- FM approval for Class I Division 1 and Class I Zone 0 applications.
- The use of isolated galvanic barriers means that no intrinsically safe earth is required.
- Simplified and cost-effective approach to hazardous areas alarm indication.
- Input overload and reverse current protected.
- Synchronised sound output.
- LED Beacon technology.
- Lens colour options available.

Technical

Voltage	16-28Vdc via Zener barrier or galvanic isolator
Current	
Sounder	2 5mA typical*
Sounder/beacon	30mA typical*
Beacon	2 5mA typical*
*when powered from 2 4v supply via 2 8v 300 Ohm Zener barrier	
Ingress protection	IP65

Part numbers

305-001	Galvanic isolator for conventional detectors
305-003	Galvanic isolator for alarm circuits
305-004	Two channel Galvanic isolator for conventional detectors
305-005	IS Minialarm sounder - red
305-006	IS Minialite beacon- red body / red lens
305-007	Minialert sounder/beacon - red body/ red lens
305-008	IS Minialite beacon- red body / amber lens
305-009	IS Minialite beacon- red body / clear lens
305-010	Minialert sounder/beacon - red body/ amber lens
305-011	Minialert sounder/beacon - red body/ clear lens
501-001	Isolator Enclosure, includes 2 x 35mm din rail (ENC-04)
501-002	Isolator Enclosure, includes 1 x 35mm din rail (ENC-03)
308 - 071	I.S. Break Glass Call Point, red, 470Ω fire, 3k3 EOL, no flap fitted.
308 -117	I.S. Break Glass Call Point, red, 680Ω fire, 4k7 EOL, no flap fitted.
308 - 073	I.S. Push Button Call Point, red, 470Ω fire, 3k3 EOL, flap fitted.
308 - 075	I.S. Tool Reset Call Point, red, 470Ω fire, 3k3 EOL, flap fitted.
308 - 072	I.S. Break Glass Call Point, red, 470Ω fire, no end of line resistor or flap fitted.
308 - 074	I.S. Push Button Call Point, flap fitted, no end of line resistor fitted.
308 - 076	I.S. Tool Reset Call Point, flap fitted, no end of line resistor fitted.