Sprängbleck/Sprängpaneler
(IRP Rupture Indicator)

Product Overview

The IRP alarm system is a simple and efficient instrument for recording the bursting of an explosion venting panel.

The detector is installed during manufacturing of the explosion venting panel and has a 2m shielded cable. The cables of the alarm system must be connected to the plant's safety system with an intrinsically safe barrier adequate to the sensor (max tension 24 AC/DC and max current 150 mA) and the hazardous area classification.

When the panel bursts the silver circuit of the SVT/AT alarm system is destroyed and as a result of this the flow of current is cut off, allowing the connected equipment to signal that the safety device has opened.

The IRP alarm system is classified as "basic electrical material" and is certified according to European Directive 94/9/EC (ATEX). It may be installed in zone 0; 20 and 1; 21 and 2; 22 if connected to a barrier certified Eex ia or in zone 1; 21 and 2; 22 if connected to a barrier certified Eex ib L'installation must be accordint to EN 60079-14 Standard

See Technical Properties below…

Temperature	From -40°C up to +200°C
Membrane	Polyimide
Circuit	Copper
Resistance Max	20 Ohm
Voltage Max	24 V DC/AC
Intensity Max	50 mA
Cable length	2 meters bipolar shielded