



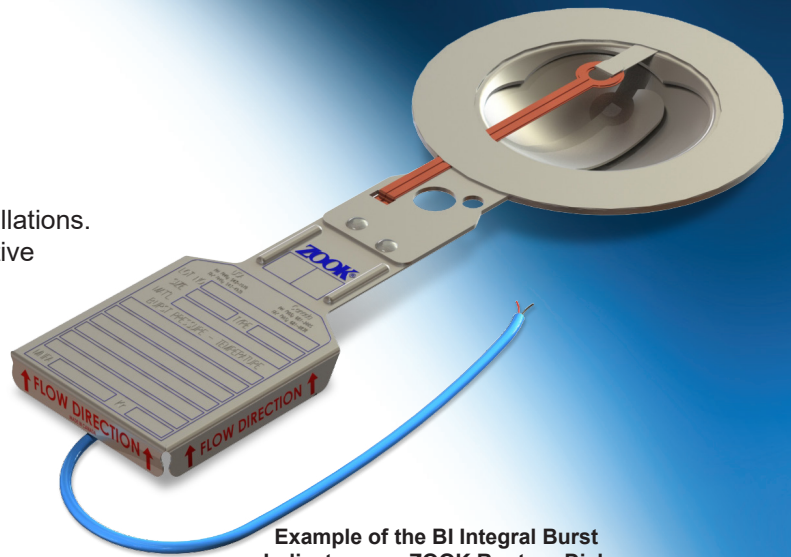
BI Series Integral Burst Indicator Type BI

Integral Burst Indication for Flat Seated Metal Rupture Disks

Over-pressure indication for metal rupture disk installations. The BI Integral Burst Indicator is a simple and effective means of indicating when the process media ruptures a disk.

Operation

The BI is integrated into the vent side of the rupture disk assembly. Upon rupture of the disk, the BI alarm circuit is opened.



Example of the BI Integral Burst Indicator on a ZOOK Rupture Disk

Features

- Resistant to the effects of back pressure from common discharge manifolds
- Compatible with most ZOOK flat-seat metal and sanitary rupture disks
- Classified as a simple apparatus and may be used in a hazardous environment. Must be used in conjunction with intrinsically safe certified electrical apparatus and installed & maintained to meet all other requirements of an intrinsically safe installation & local codes
- Reduces stock inventory by incorporating the burst indicator and disk into a single unit
- BI comes standard with connection 2 and 6' (1828 mm) of signal wire if not specified

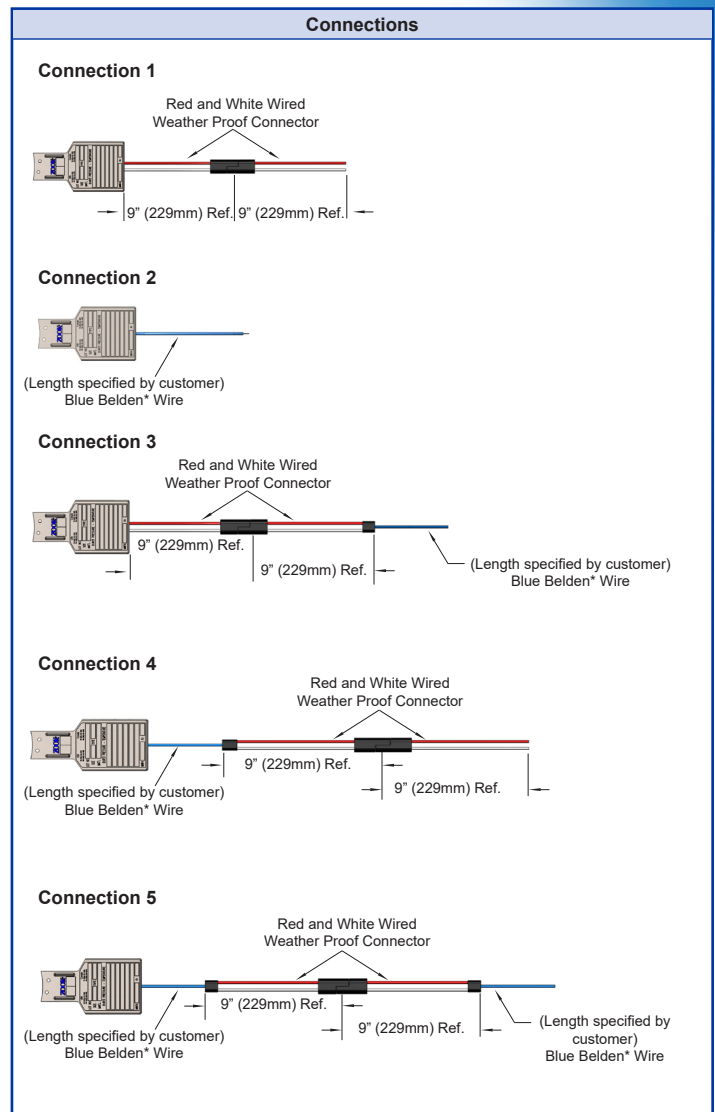
Note: *Blue Belden Wire: 1503A, 22 AWG stranded (7x30) TC conductors, PVC insulation, twisted pair, overall Beldfoil shield (100% coverage), 24 AWG stranded TC drain wire, PVC jacket.

Materials

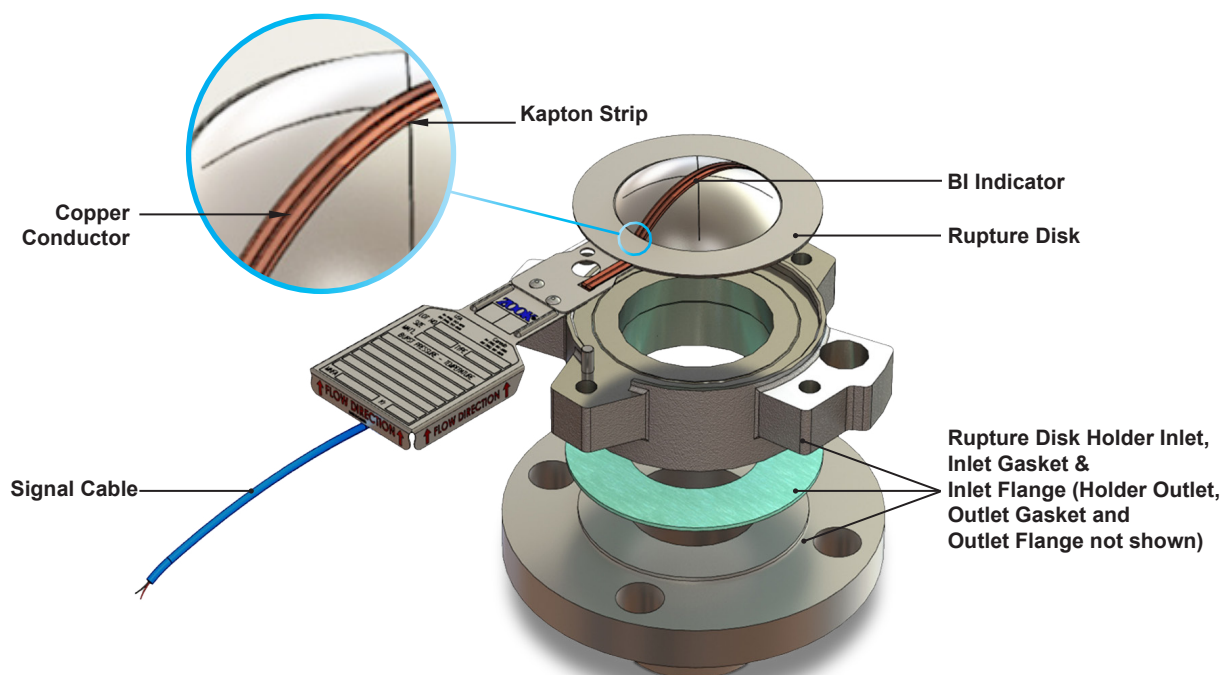
Membrane – Kapton

Conductive material – Copper

Leadwire – Blue Belden* wire



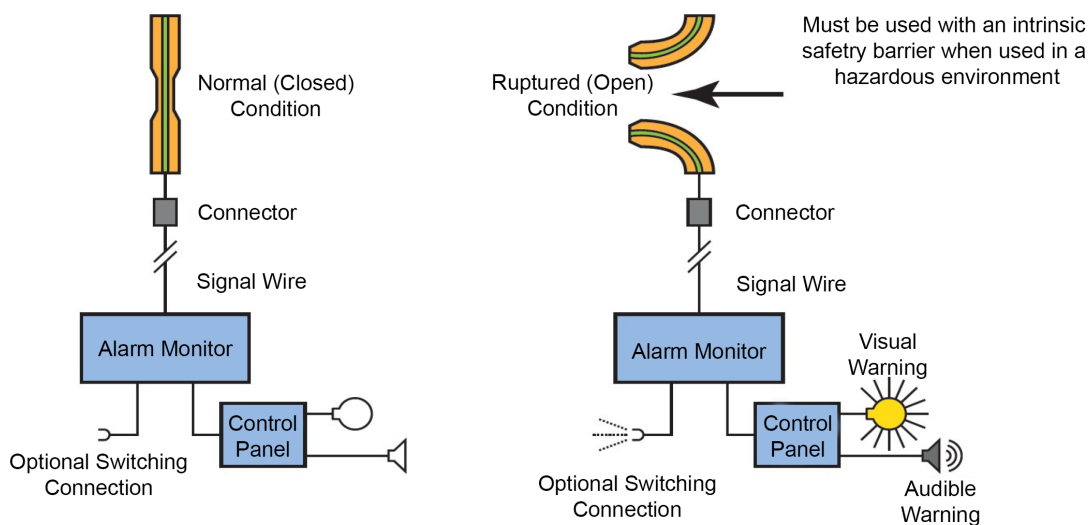
BI Series Specifications



Electrical Properties

Maximum Pre-Rupture Resistance	20 Ω	Maximum Voltage	24 V DC
Temperature Range	-40 to 400°F (-40 to 204°C)	Maximum Current	50 mA

Operating Schematic



KAPTON - Registered TM DuPont



BI_112020

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