



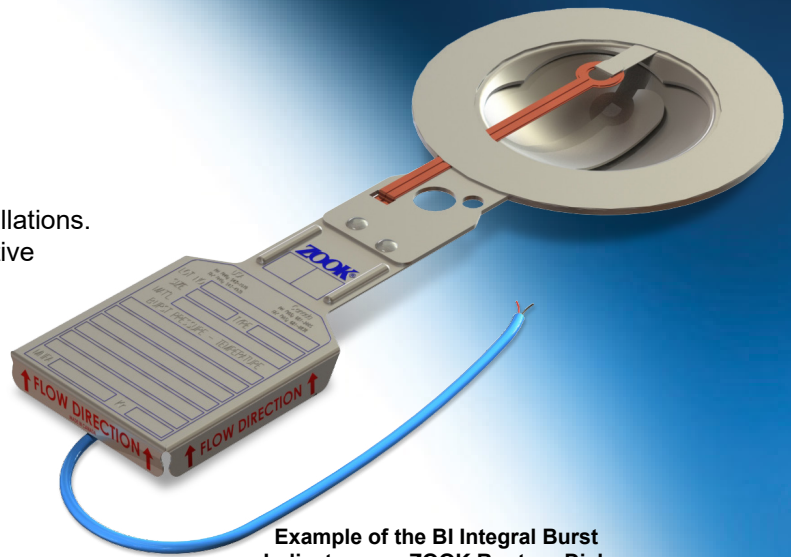
BI Series Integral Burst Indicator Type BI

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

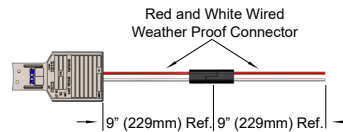
Membrane – Kapton

Conductive material – Copper

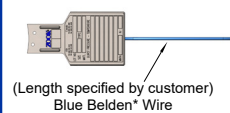
Leadwire – Blue Belden* wire

Connections

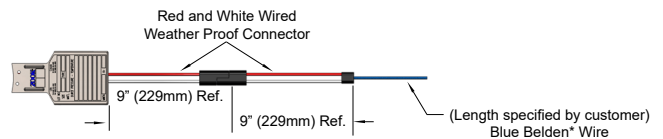
Connection 1



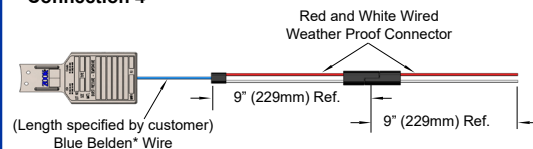
Connection 2



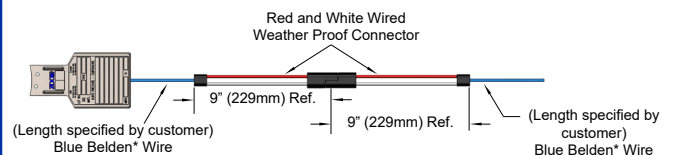
Connection 3



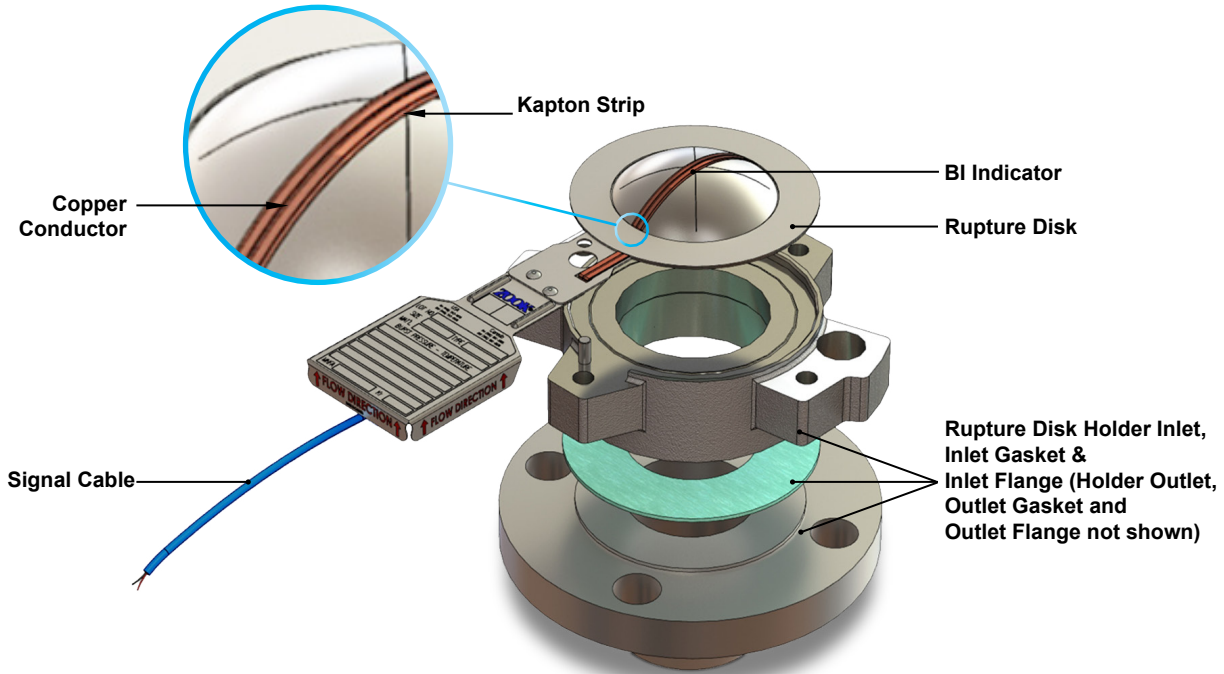
Connection 4



Connection 5



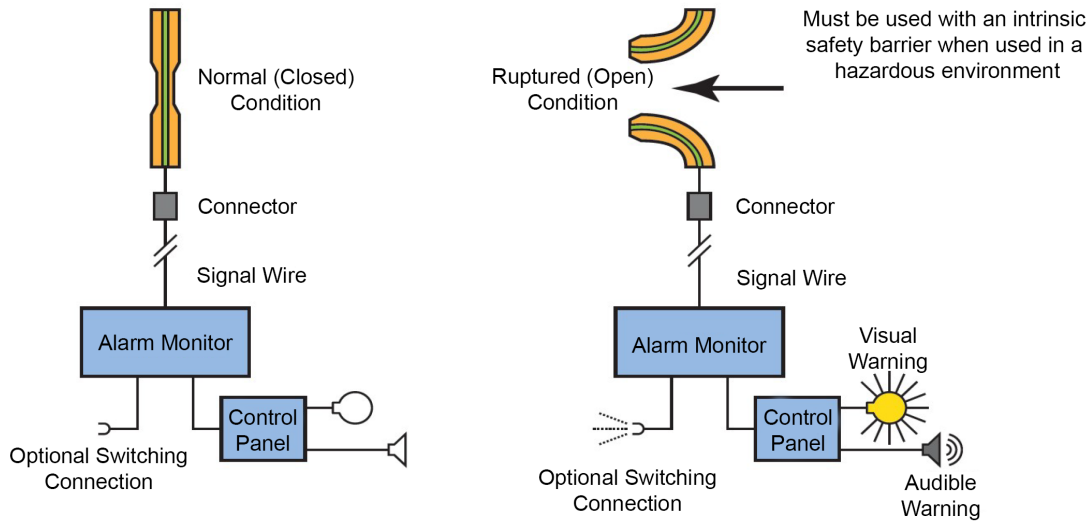
BI Series Specifications



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_032022

Visit us at www.zookdisk.com

SERVING AMERICA, CENTRAL & SOUTH AMERICA

16809 Park Circle Drive
Chagrin Falls, Ohio 44022
United States

Toll Free: +1 800 543 1043
Phone: +1 440 543 1010
Fax: +1 440 543 4930
E-mail: sales@zookdisk.com

SERVING EUROPE, MIDDLE EAST & AFRICA

Navigation House, Bridge St.
Killamarsh, Sheffield, S21 1AL
United Kingdom

Phone: +44 (0) 1909 560999
Fax: +44 (0) 1909 560860
E-mail: sales.europe@zookdisk.com

SERVING CANADA

4400 South Service Road
Burlington, Ontario, L7L 5R8
Canada

Toll Free: +1 800 370 6057
Phone: +1 905 681 2885
Fax: +1 905 681 8838
E-mail: sales.canada@zookdisk.com

SERVING ASIA PACIFIC

Unit No. 23A-05, Menara Landmark
No.12, Jalan Ngee Heng
80000 Johor Bahru, Johor,
Malaysia

Phone: +60 (7) 2910099
Fax: +60 (7) 2910096
E-mail: sales.asia@zookdisk.com



Safety through knowledge and performance.