



INSTALLATION INSTRUCTIONS

For Integral BI Burst Indicator

1) WARNING

- Read the complete instructions before attempting to install the BI.
- The customer and/or its installer shall be responsible for the proper installation of the BI into a system.
- Customer and/or its installers shall be responsible for improper installation and physical damage resulting therefrom, including, but not limited to, damage resulting from leakage, improper torquing, improper electrical hookup, and/or failure to follow installation instructions.
- ZOOK standard Terms and Conditions of Sale apply unless otherwise stated in writing by the manufacturer.

2) INSTALLATION OF ZOOK "BI" BURST INDICATOR

- The ZOOK BI Burst Indicator is intrinsically safe for Class I, Groups A,B,C, and D when connected through a CSA certified shunt diode safety barrier 28 V max, 300 Ohms min.
- Specifications:
 - Input Voltage: 24 vdc maximum
 - Input Current: 50 mA maximum
 - Operating Temperature: 400°F (204°C) maximum.
- Intrinsically Safe Installations (where required)
 - ZOOK Burst Indicator is not intrinsically safe by itself; but is intrinsically safe only when employed in a properly designed intrinsically safe system.
 - ZOOK Burst Indicator is a passive "simple apparatus" concept allowing it to be used in intrinsically safe systems without the need for certification.
 - If required, refer to ANSI/ISA-RP12.06.01 for the Recommended Practice for Intrinsically Safe Systems.
- CAUTION: Exceeding the maximum voltage, current, or temperature values can cause permanent damage to the circuit and/or rupture disk or explosion vent.**
- As soon as the rupture disk or explosion vent with integral BI is unpacked, inspect it thoroughly for any damage that may have occurred in transit. Save all packing material until the inspection is completed. If damage is found, notify ZOOK immediately for guidance.
- Install the rupture disk or explosion vent in accordance with the specific installation instructions. Use care during installation not to bend the indicator lead support. Sharp or extreme bends in the support area may damage the indicator.
- Client needs to be aware that a BI is essentially a "break-wire" and an open circuit will be in process media after burst event. Conductive process media can 'close' circuit after burst. User needs to determine if this can be hazardous.
- The Burst Indicator acts like a normally closed switch. Indication occurs when the circuit is broken (open). Do not exceed Current or voltage limits or permanent damage to the indicator may occur.

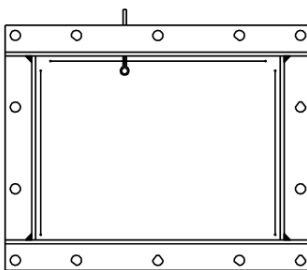


FIGURE NO. 1

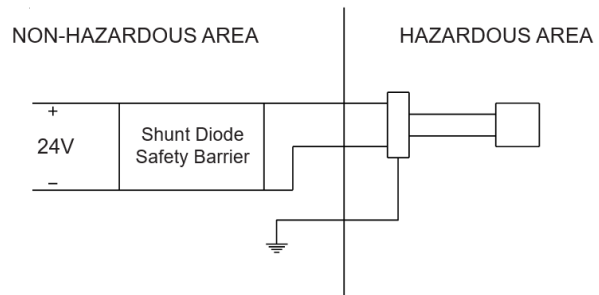


FIGURE NO. 2

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