

FIKE BI BURST INDICATOR

Installation and maintenance instructions



Description

The Fike "BI" Burst Indicator is a normally closed circuit that can carry a low energy electrical signal. During disc burst, the indicator is physically broken causing an open condition in the indication circuit. This open condition can then be detected by process control equipment.

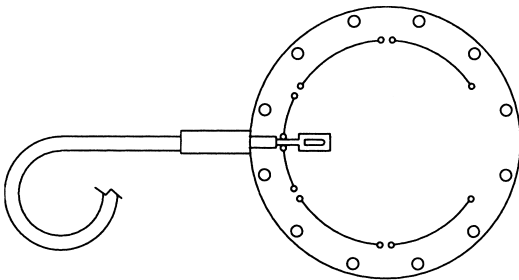
The Fike BI Burst Indicator is intrinsically safe for Class I, Groups A,B,C, and D when connected through a CSA certified shunt diode safety barrier 28 V max, 300 Ohms min.

Specifications

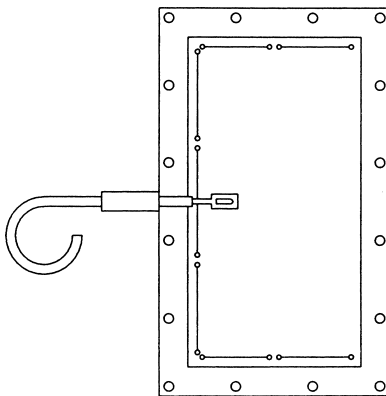
Input Voltage:	24 volts Maximum, AC or DC
Input Current:	50 mA Maximum
Resistance:	1.0 Ohm
Operating Temp.:	400 °F Maximum

CAUTION

Exceeding the maximum voltage, current, or temperature values shown can cause permanent damage to the BI circuit.



CV-BI, Composite Vent with Burst Indicator (Round)



CV-BI, Composite Vent with Burst Indicator (Rectangular)

Initial Inspection

The Burst Indicator was thoroughly inspected before shipment and found to be free of mechanical and electrical defects. As soon as the 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 Fike Corporation Customer Service (816) 229-3405.

Installation

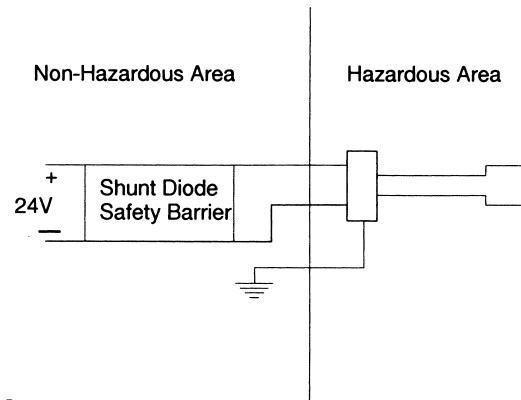
Install the rupture disc or vent in accordance with the instructions provided. Install the disc/vent with the raised retaining tab on the downstream side. Torque evenly to the recommended torque value given in the disc/vent instructions or on the tag.

CAUTION

Use care during installation not to bend the indicator lead support. Sharp or extreme bends in the support area may damage the indicator.

Wiring

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.



Replacement

Follow the same procedure as installation. Unplug the lead cable and discard old disc/vent. Install disc/vent per instructions and plug in lead cable.

Maintenance

The BI is maintenance-free. If the circuit becomes open for any reason, the entire assembly must be replaced.