



BS&B SAFETY SYSTEMS, INC.
BS&B SAFETY SYSTEMS LTD.

SANITARY ALERT SENSOR

Bulletin
77-4015I SAS

INSTALLATION INSTRUCTIONS

CAUTION

Do not remove sensor from its package until it is required for installation. Handle the sensor with care. Do not fold, twist or stretch the sensor as this may break or weaken the conductive circuit and cause a false signal.

SELECT PROPER LOCATION

Do not locate where the plastic membrane may be exposed to snow, ice, heavy rain or subjected to pressure or pressure evacuation in vent piping. Do not locate where the sensor to cable connection may be damaged resulting from bending or stress.

BEFORE YOU INSTALL THE SENSOR

Examine the plastic membrane and conductive circuit before installing. Do not install if the circuit has been severed or if there is any damage to the plastic membrane. Insure that the size shown on the sensor is identical to that of the clamp size it is being installed in.

INSTALLATION

The sensor is installed on the VENT SIDE of the rupture disk between the Safety Head outlet and the downstream/vent piping. See Figure 1. As the sensor is already fitted with gaskets, no additional gaskets are necessary.

The sensor will function identically in either direction. Tighten the clamp connection to the torque values specified by the manufacturer of the clamp.

NOTE: Do not locate cable on or near hot surfaces. Standard cable temperature specification -20° F (-29° C) to 140° F (60° C). High temperature cable temperature specification -110° F (-79° C) to 400° F (204° C).

ELECTRICAL SPECIFICATION

The rupture disk sensor is a simple device and is suitable for use in hazardous locations provided it is used with other certified electrical apparatus (i.e. Zener Barrier). All equipment should be installed and maintained to a recognized national standard.

Maximum Current 500 mA
Maximum Voltage 24 VDC

TEMPERATURE RANGE

Suitable for temperatures at the sensor location are dependent on gasket material.

Gasket Material	Temperature Range
Viton	-20° F (-29° C) to 400° F (204° C)
EPDM	-40° F (-40° C) to 300° F (149° C)
Silicone	-40° F (-40° C) to 450° F (232° C)

RE-ORDERING

Order replacement sensor by part number.

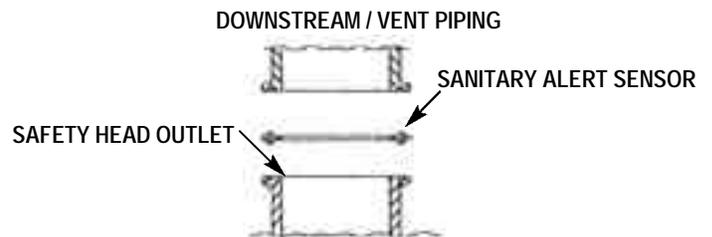


FIGURE 1

LIMITATIONS OF WARRANTIES

BS&B Safety Systems, Inc. warrants its products against defective workmanship and material under normal and proper use in service for a period of twelve (12) months from the date of shipment, when owned by the original buyer and only when subject to normal operating conditions outlined by Buyer when the order is placed; except that, rupture disks are not guaranteed except to burst within specified pressure ranges at temperatures specified at the time of sale.

Where the products involved include a rupture disk inside a rupture disk holder, each must be of the proper type to be utilized with its mating part as otherwise recommended by and manufactured by BS&B. BS&B specifically disclaims any warranty and any and all liability for damages, either direct or indirect, incidental or consequential, arising from the use of rupture disk assemblies not wholly comprised of BS&B manufactured products.

Any article not manufactured by BS&B and which is sold hereunder is sold only under such warranties as the manufacturer thereof extends to BS&B and which BS&B can pass through to the Buyer and enforce with reasonable effort.

Because of the effects of corrosion or erosion caused by acids, chemicals, fumes, rust, dirt, debris and other factors of storage, use, and installation, over which BS&B has no control, BS&B makes no other warranties beyond those expressly stated in this limited warranty.

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BS&B Safety Systems, Inc. and BS&B Safety Systems Ltd. are here to assist you in providing a safe and efficient work place. For assistance on installation, audits, training or technical advice, please contact our Customer Service Department.

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