

CONVENTIONAL D-A-F HEAT DETECTOR - BD-55/EXD

Conventional fire detection systems
Product Datasheet

Technical Specifications and Instructions

Features

- Conventional
- Can be used with most fire alarm and extinguishing systems
- Different alarm-temperature models available
- Conforms with EMC directive
- Proven technology
- Designed to meet the requirement of the major maritime classification societies
- ATEX/IECEx approved
- Housing of marine grade aluminium alloy

Description / Application

BD-55/EXD is a point heat detector for use in hazardous area zone 1 or 2. The detector is designed for use with most conventional fire alarm and extinguishing systems. The detector is suitable for use in different applications including turbine rooms, flammable material stores, paint stores etc.

BD-55/EXD can be delivered for various alarm temperature settings varying ranging from 60 to 385 °C.

See reverse for ordering information.

Principle

The construction is based on the well-proven DETECT-A-FIRE precision temperature sensor installed in an explosion proof junction box.

The sensor is a rate-compensated device combining the best of fixed and rate-of-rise detectors.

Related Drawing

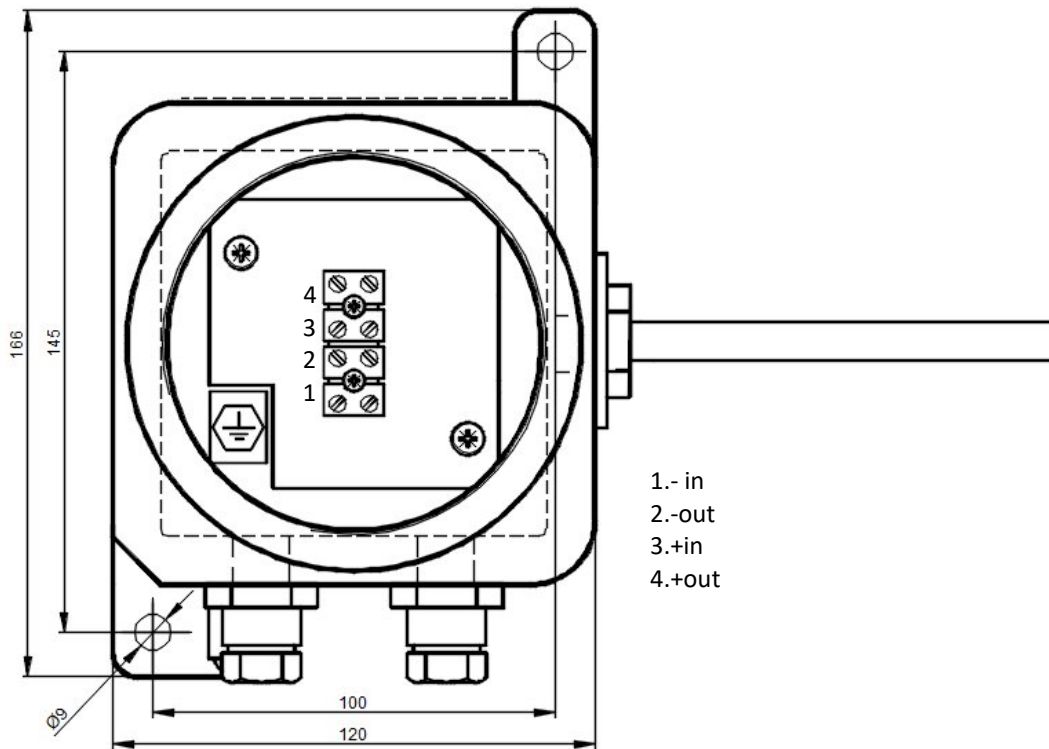
No modifications permitted
without reference to the
Ex Responsible



Product Name	Part number	Description
BD-55/140EXD	116-BD-55/140EXD	Heat detector alarm temperature 60°C (140°F)
BD-55/160EXD	116-BD-55/160EXD	Heat detector alarm temperature 70°C (160°F)
BD-55/190EXD	116-BD-55/190EXD	Heat detector alarm temperature 90°C (190°F)
BD-55/225EXD	116-BD-55/225EXD	Heat detector alarm temperature 110°C (225°F)
BD-55/275EXD	116-BD-55/275EXD	Heat detector alarm temperature 135°C (275°F)
BD-55/325EXD	116-BD-55/325EXD	Heat detector alarm temperature 165°C (325°F)
BD-55/360EXD	116-BD-55/360EXD	Heat detector alarm temperature 180°C (360°F)
BD-55/450EXD	116-BD-55/450EXD	Heat detector alarm temperature 230°C (450°F)

Technical specifications	
Weight (g)	1850 g
Material	Aluminium alloy/ Stainless steel
Colour	Grey
Contact Operation on temperature rise	Closes
Electrical Rating (Resistive Only)	2.0 Amps 24VDC
Degree of protection	IP 66 & 67
Conduit entry	2x M20x1.5
Working temperature	-55 - +70 °C
Storage temperature	-55 - +70 °C
Humidity (non condensing)	Max. 95 % RH
Maintenance	None
Service	Replace if faulty
Type examination certificates	See website

Connections / Dimensions (mm)



Maintenance

- Remove power before opening the enclosure
- Replace faulty units