Triple IR (IR3) Flame Detector Ex approved

Part-No.: 782431

Three-channel IR flame detector incl. BIT (Built-in-Test) of class 1 for the detection of flames with Hydrocarbon content. Adjustment range in four steps with a quick response within 5 seconds with a maximum range of 65 m under test fire conditions. As class 1 flame detector up to 26 m mounting height (wall mounting) or max. 45 m with vertical Ceiling mounting.

Features:

- Long-range monitoring
- Automatic self-test
- Potential-free relay outputs 5A / 30V/DC or 250V/AC for: Alarm, fault and additional function and aluminium housing with red epoxy Stove enamelling
- M25 thread for cable gland
- Sensor type: 3-channel infrared sensor

Operating voltage	18 ... 32 V DC
Current consumption	90 mA and 105 mA with window heating (quiescient); 130 mA and 160 mA with window heating (alarm)
Ambient temperature	-55 °C ... 75 °C
Storage temperature	-55 °C ... 85 °C
Air humidity	< 95 % (non-condensing)
Ex-category	Ex II 2 G D
Ex. protection	Ex db eb op is IIC T4 Gb, Ex tb op is IIC T96°C Db
Type of protection	IP 66 and IP 67 according to EN 60529
Weight	approx. 2,8 kg
EC-type examination certificate	IECEx SIR 07.0085X
Dimensions	W: 90 mm H: 114 mm D: 156 mm

ℹ️ Substance dependent ranges at standard fire conditions and max. sensitivity: n-heptane, petrol: 65 minnalf of 5 sec. Diesel, JP5, kerosene; 45 m within 5 sec. Ethanol, isopropyl alcohol: 40 m within 5 sec. Methanol: 35 m within 5 sec. Methane, LPG: 30 m within 5 sec. Office paper: 10 min and a half within 5 sec. Polypropylene pellets: 5 m within 5 sec.

🚚 Stainless steel mounting bracket (782441) and plastic rain cover (782442) are included.