




Flame Detectors (UV and IR³)

Order No.	Picture	Description
B05400-00		<p>Conventional UV Flame detector HF-24</p> <ul style="list-style-type: none"> – Including filter to avoid unwanted alarms – High immunity against EMC interferences – Special electrical circuit designs to reduce current consumption <p>Technical specifications :</p> <p>Operating voltage : 15-30V DC Quiescent current : 200µA (24V DC) Alarm current : max. 50 mA Detection angle : 120° Cone UV sensitivity range : 185 to 260 nm Operating temperature : -10°C to +50°C Humidity : max. 95% - (40°C) Colour : Ivory white Dimensions: 100 x 80 mm (incl. base) Weight : 150 g</p>
B05405-00		<p>Mounting base YBF-RL/4H5 for Flame detector HF-24</p> <ul style="list-style-type: none"> – Easy and quick assembly of the detector – low profile design – without electronics, very robust and reliable <p>Technical specifications :</p> <p>Colour : Ivory white Dimensions : 100 x 8 mm (D x H) Weight : 60 g</p>
B05420-00		<p>Conventional UV Flame detector NFD-68P including mounting base B4-F</p> <ul style="list-style-type: none"> – Including circuitry to provide protection against false alarms – High immunity against EMC interferences – NFD-68P must observe a fire indication for an 8,5 s period before indicating a fire condition to the panel – Wiring to the detector is a simple two wire method <p>Technical specifications :</p> <p>Operating voltage : 10-30V DC Quiescent current : 120µA at 24V DC Alarm current : max. 65 mA Detection angle : 100° Operating temperature : -10°C to +50°C Humidity : max. 95% - (at 40°C) Colour : white Weight : 140 g incl. Base</p>

Order No. Picture

Description

B05430-00



Flameproof housing for NFD-68P

- For use in areas made potentially hazardous by the presence of flammable liquids, gases or vapours (Zone 1 or Zone 2)
- Threaded cover to enable ease of access for installation and includes internal and external earth terminals for up to 4 mm cable

Technical specifications :

Housing : Copper free Aluminium

Window : Spectrosil 2000 (heat resistant)

IP rate : IP 66 c/w gasket

Cable entries : 2 x M20

Classification : EExd IIC T6

Approvals : CENELC EN50014/50018

ATEX ISSeP 03 ATEX 012X

B05440-00



Industrial IR³ flame detector IFD-E, (3 channel), with false alarms reduction

- designed for use where open flaming fires may be expected
- The detector discriminates between flames and other light sources by responding only to particular optical wavelengths and flame flicker frequencies
- Ideal for the detection of flames from the burning of Aviation Fuels (kerosene), Butane, Grain & Feeds, Hydrogen, Paper, Natural Gas, Petrol etc.
- Selectable response speed
- Approved according to EN54, part 10

Technical specifications :

Operating voltage : 14 - 30V DC

Alarm current : 3 – 28 mA

Range : 25 m (heptane)

Operating temperature : -10°C to +55 °C

Humidity : max. 95% - (bei 40°C)

IP rating : IP 65

Housing : blue, Die-Cast Zinc Alloy

Dimensions (WxHxD) : 108 x 142 x 82 mm

Weight : 2 kg

B05445-00



Industrial Intrinsically Safe IR³ flame detector IFD-E(I.S.), 3 channels, with false alarms reduction

- As above but Intrinsically Safe (using a safety barrier e.g. B05446-00)
- Certified to Ex II1G Eex ia IIC T4

Order No. Picture

Description

B05446-00



Galvanic Isolator for I.S. flame detector IFD-E(I.S.), 1 channel

- One detector at one barrier
- No earth connection necessary
- To be mounted on DIN rail
- Ideal mounting in housing B07550-00

Technical specifications :

Operating voltage I.S. : max. 28V DC
 Quiescent current : < 400µA (Ue= 24V DC)
 Transmission current : 1 - 93 mA
 Class : Ex II GD EEx ia IIC
 Operating temperature : -20 - 60 °C
 IP rating: IP 20
 Weight : 100 g

EU design check BAS99ATEX7285

B05450-00



Industrial IR³ flame detector IFD-E(Exd) in flame proof housing, 3 channels, with false alarms reduction

- As above B05340-00 but in flame proof housing (no need for a safety barrier)
- Certified to Ex II2 G D

Technical specifications :

As above B05340-00 but

Housing : red, copper free
 Aluminium Alloy

B05455-00

Adjustable Mounting Bracket

- for Flame detectors IFD-E, IFD-E(I.S.) und IFD-E(Exd)
- mounting at the wall or the ceiling