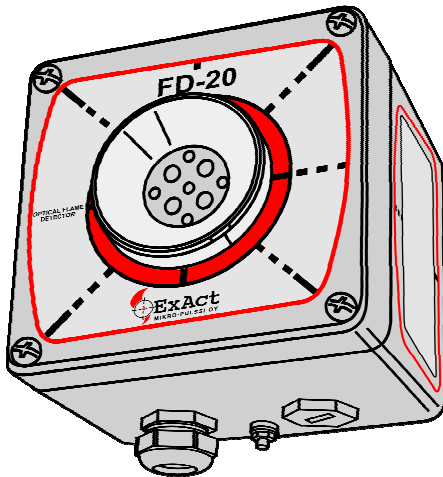


ExAct FD-20 Optical Flame Detector



Product benefits

- Quick and reliable detection:
 - detection sensitivity Class 1 (EN 54-10)
 - accurate detection based on Fully Digital Fire Recognition (FDFR)
- Very high ATEX classification enables protection of demanding applications
 - II 1G EEx ia IIC T4 (zone 0, gas, vapour and mist)
- Easy to install, maintain and use
- Cost-effectiveness due to low installation, testing and maintenance costs

Applications

- Areas where combustible materials are stored or handled
- Explosive environments
- Demanding installation sites, for example wide space with strong air flows

Product overview

The ExAct FD-20 is an advanced flame detector with improved detection sensitivity and enhanced easiness of operation. The detector can discriminate between various types of radiation, thus being more selective than traditional detectors. The detector is insensitive to solar radiation and to thermal radiation emitted by hot objects.

By responding to 2200 and 2800nm IR emissions from fires, the ExAct FD-20 detects almost all open flames. The device also detects gas or liquid fires not visible to the naked eye. One detector can protect an area of even 500 m².

The method of explosion protection used in the detector is intrinsic safety. The ExAct FD-20 can replace most of the existing flame detectors.

Technical specifications

Model:

ExAct FD-20 61381000
Conventional I.S. loop 12-28V

Performance:

Range 0.1m² heptane: selectable 8m, 12m, 17m, 25m
Response time: 10s
Max. field of view: 90°
Detection: IR², 2200nm & 2800nm

Electrical specification:

Supply voltage: 12V to 28V DC

Explosion protection:

ATEX classification:
II 1 G Eex ia IIC T4 (zone 0, gas, vapour and mist)

Mechanical specification:

Enclosure material: glass-fibre reinforced polyester, halogen-free
Detector dimensions (H x W x D): 122mm x 120mm x 100mm
Detector weight: 1400g

Environmental:

Operating temperature: -40°C to +80°C (no condensation or icing)