

Talentum[®]

Flame Detectors



Fast, Reliable and Accurate Fire Detection

Flame Detectors

Features

Using advanced infrared (IR) and ultraviolet (UV) technologies Talentum® detectors provide fast, reliable and accurate fire detection. Uniquely, Talentum® detectors look at both the characteristic flicker and the energy produced by flames.

Talentum® can be trusted in high value, high risk applications where fast acting and accurate detection is essential.

The range of applications where Talentum® detectors can be used are diverse, varying from power plants to paper manufacturers.

Method of Operation

Using infra-red (IR) sensing technology flames can be detected through such elements as dust, steam and smoke; they are also immune to the effects of wind or draughts of air. With the addition of an ultra-violet (UV) sensor a flame detector becomes highly immune to false signals such as sunlight.

The optical sensors within the detector receive the IR and/or UV radiation emitted by the flames. The processor within the detector analyses the optical sensor signal waveforms and determines if they represent flames and if so accepts them. If the signals do not match the internal algorithms for flames then they are considered to be false sources and rejected.

Product Range

The range comprises of Dual IR (IR²), Triple IR (IR³) and UV/IR² for both hazardous and non-hazardous industries:

- IR² - Industrial detection.
Suitable for indoor areas.

Applications:

- Coal Handling
- Fume Cupboards
- Printing
- Spray Booths
- Textiles
- Waste Handling

- IR³ - Improved false alarm rejection.
High tolerance to dust and (dirty) smoke.
Suitable for indoor or outdoor areas.

Applications:

- Coal Handling
- Nuclear Industry
- Pharmaceuticals
- Printing
- Spray Booths
- Storage Tanks
- Tunnels
- Waste Handling

- UV/IR² - High immunity, high sensitivity,
best false alarm resistance (inc. sunlight).
Suitable for indoor or outdoor areas.

Applications:

- Aircraft Hangers
- Engine Rooms
- Engine Test Facilities
- Generators
- High Voltage Equipment
- Nuclear Industry
- Power Plants
- Storage Tanks



Benefits



Rapid Response

Detects standard fires within 2-5 seconds. Special models can detect within 30ms.

Any Fire, Any Fuel

Detects invisible hydrogen flames as well as hydrocarbon fires.

Reliability

Advanced signal processing to analyse the dynamic characteristics of a fire. SIL approved.

Hazardous Areas

Our range includes - Flameproof, Intrinsically safe, Stainless steel housing (corrosion resistant).

Any Application

Suitable for any place where fire may result in a large loss of capital equipment or where risk to personnel is high.

Accuracy

Excellent detection sensitivity with extreme immunity to false alarms.



Talentum[®]

Flame Detectors

Fire Fighting Enterprises Limited
9 Hunting Gate, Hitchin
Hertfordshire
SG4 0TJ United Kingdom

T +44 (0) 1462 444 740

F +44 (0) 1462 444 789

E sales@ffeuk.com

W www.ffeuk.com



The leading light in fire detectors



FM 01794



EMS 544780



OHS 580021

A HALMA COMPANY

In the interest of improving quality and design, Fire Fighting Enterprises Ltd reserve the right to amend specifications without prior notice.



24-0081-01

www.ffeuk.com