# PROTECTION FOR TODAY

# MSDES MULTISENSOR DETECTOR

The MSDES Multisensor Detector is a cutting-edge device designed for effective heat and smoke detection, making it an essential tool for enhancing safety in homes, offices, and industrial settings. Its sleek design allows for seamless integration into any environment, providing real-time alerts to keep users informed and secure.

Featuring a highly sensitive heat sensor, the MSDES Multisensor Detector excels in identifying temperature changes that indicate potential fire hazards. The smoke detection capability ensures that users are alerted promptly in the event of smoke, allowing for swift action and improved safety. This reliable performance gives users peace of mind, knowing their spaces are being actively monitored.

With a user-friendly interface, the MSDES Multisensor Detector easily integrates with various smart home platforms. A dedicated mobile app enables effortless configuration and instant alerts, empowering users to monitor their environment from anywhere. This connectivity enhances user experience and ensures that safety is always a priority.

Durable and versatile, the Multisensor Detector is perfect for a wide range of applications, from residential safety to industrial compliance. Its robust construction ensures reliable performance in various conditions, making it a trusted choice for any setting. With this advanced technology, users can create safer environments that prioritize security and well-being..

| Areas of Use | Feature and benefits |
|---|---|
| <ul><li>Power stations and petroleum and gas stations</li><li>Commercial Buildings</li><li>Hotels</li><li>Tank ships and other vessels</li><li>Apartment</li><li>Storage of oily products Oil and gas industry LNG/PNG processing and</li><li>Offshore Platforms</li></ul> | <ul><li>Automatic and Manual self check for any internal component failure.</li><li>Dual Color Status LED</li><li>Immune to false alarms</li><li>Ultra Fast Response Time</li><li>Optical Smoke Detection & Heat Detection</li><li>Internationally Certified</li><li>Different sensitivity modes</li><li>Dual LED, for 360 degree visibility</li><li>RS-485 & DIP Switch Address Setting</li><li>ES-Rapid Adrressable Protocol ©</li></ul> |

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| Specification | |
|---|---|
| **Operational Characteristics** | |
| Voltage Supply | 24 VDC (18-32 VDC) |
| Power Supply | <500uA on Standby/<5mA Alarm Current |
| Communication | Addressable (ES-Rapid Protocol ©) |
| **Operational Characteristics** | |
| Operating Temperature | 20C to +60C. |
| Built In Test | Automatic & Manual |
| Humidity Range | 10-95% RH (Non condensing) |
| Relative Humidity | 0 to +95% RH |
| Ingress Protection: | IP42/44 |
| Indication: | 2x 3 colour LED (normal, fault, alarm indication) |
| Sampling Frequency | Continuous |
| Sensor Type | Optical Smoke & Heat (Dual Sensor) Detection |
| Sensitivity | 0.5-4% per foot-obscuration |
| Ex Marking | Ex ia IIC T4 Gb |
| **Mechanical Characteristics** | |
| Material | Flame Retardant Polycarbonate |
| Wiring | 12-22 AWG |
| Weight | 125 g |

## Certification

UL 864 (10th Edition)
Control Units and
Accessories for Fire
Alarm Systems