CHECKFIRE 210 Detection & Actuation

Engineered for Extreme Environments

The ANSUL® CHECKFIRE 210 Detection and Actuation System is engineered to stand up to extreme operating environments. This versatile system is designed to provide detection, alarm and fire suppression system actuation for mobile applications like hydraulic excavators, haul trucks, wheeled loaders, dozers and graders. The CHECKFIRE 210 is used with an ANSUL® Vehicle Fire Suppression System for 24-hour protection of equipment.

Product Overview



Programmable detection for versatile protection

- **Multiple Detection and Actuation Options**
- **Supervised, Plug-and-Play Circuits**
- **Built for Extreme Environments**
- **Dust and Water Tight (IP67 Rated)**
- **Automatic or Manual Actuation**
- **Internal Reserve Power Source**
- **Downloadable 4,000+ Event History Log with Real-Time Stamp**
- **System Isolate Feature**
- **FM Approved and CE Marked**

This versatile system is designed to provide detection, alarm and fire suppression system actuation for mobile applications.

A Versatile Way to Protect and Safeguard People and Assets

One of the hallmarks of the CHECKFIRE 210 system is its flexibility in protecting hazard areas. Featuring color-coded, plug-and-play connectors, the system is equipped with two, independent, detection circuits configurable for various options including single-zone detection, two-zone detection, cross-zoned detection, discharge pressure feedback monitoring or alarm only.

Two Forms of Detection for Those First Critical Seconds

Detection is the critical first step in successfully dealing with the threat of fire. The CHECKFIRE 210 offers two highly-reliable forms of detection used individually or in combination. Linear Detection Wire consists of spring-steel conductors separated by a heat sensitive insulator. At the temperature rating of the wire, 356°F (180°C), the insulator melts and the two conductors make contact, sending a signal to the detection module, which signals the control module to actuate the fire suppression system. With Spot Thermal Detection, the thermal detector contacts close and signal the control module to initiate fire suppression when the temperature reaches either 250°F or 350°F (121°C or 177°C) depending on the model selected.



24-Hour Fire Protection



The CHECKFIRE 210 System can be found on vehicles and equipment in these industries:

- Agriculture
- Aviation
- Construction
- Forestry
- Landfill
- Public Transportation
- Public Utilities
- Waste Disposal

Flexible Manual or Automatic Actuation

Upon receiving a fire detection signal, the display module activates the release circuit, which is capable of actuating up to 10 agent tanks via electronic actuators mounted directly onto expellant gas cartridges. The system can also be actuated manually by either the manual activation button on the display module itself or electric manual actuators used remotely from various locations on protected equipment.

The display module can be mounted in the dashboard or surface mounted utilizing a swivel bracket. Through communication with the display module, operators receive continuous system updates, and operator input commands go directly to the Interface Control Module (ICM). The system programming may be accomplished using the manual programming button and indicator LEDs or by using a computer with the ANSUL® CHECKFIRE 210 Programmer software communicating through the micro USB port.



The Ultimate Fire Suppression Solution

The ANSUL® brand promises a full range of quality fire protection solutions – from automatic detection and suppression systems to a complete line of wheeled and hand portable fire extinguishers and more. Plus, our extensive network of Authorized ANSUL® Distributors provides factory-trained professionals to serve our customers virtually anywhere in the world.

A Passion for Protection

Dedicated customer support. Extensive product portfolio. Engineering excellence. Trusted, proven brands. Johnson Controls offers all of these attributes, plus a passion for protection. It's what drives us to create solutions to help safeguard what matters most – your valued people, property and business.

For additional information, please visit www.ansul.com or follow us @ansulfire on Twitter.

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