

Why you need Generation 6 Fire Detectors Consultants



1. Established Innovators

Johnson Controls has always stood for innovation and has over 100 years of expert detection knowledge. In the year 2000 we invented the first CO detector and, with our Generation 6 range, we are the first to offer triple-sensing detection technology, which combines CO, optical and heat detection in a single device. This has set a new standard in lifesaving detection.

2. Reduced False Alarms

The 3oTec detector, part of the Generation 6 range, uses triple sensing technology and adjustable modes of detection sensitivity to significantly improve false alarm resilience.

3. Adaptable and Flexible for a Wide Range of Premises and Fire Risks

The 850 and 830 series of fire detectors are designed to be both adaptable and flexible making them ideal for a range of fire risks. They can be programmed individually with a day and night mode and up to seven different modes of sensitivity. This makes the range flexible as each detector can be adapted for use in its specific environment.

4. Better Environmental Performance

The entire range of Generation 6 detectors have been updated with a redesigned smoke chamber. By introducing an insect screen and conformal coated electronics (including printed circuit boards) inside the detector, they can better compensate for the effects of environmental contamination caused by dust and dirt. This gives the range enhanced environmental performance and greater tolerance in different environments.

5. Lower Life Time Cost

Each Generation 6 detector is designed to save you costs by delivering a longer and more reliable service life. The Extended Service Life (ESL) offered with the Generation 6 range extends their operating lifetime by raising the alarm threshold as the device ages. This means the detector is able to achieve the maximum amount of drift compensation, whilst delivering the longest service life possible with the approved level of sensitivity.

6. We can Match your Colour

The Generation 6 detectors are supplied white, as standard, however if you have a requirement for other colours this can be provided. For orders over 100 we can match our detectors to any Pantone® colour.

7. World Class Manufacturing

Generation 6 detectors are made in Johnson Controls' world class, globally certified factories throughout Europe, ensuring the highest levels of quality and environmental health and safety.

8. Multiple Certifications

Generation 6 detectors have multiple certifications from many approval authorities. Our product development and manufacturing procedures are regularly audited and inspected by independent test houses from around the world. This does not only include local approvals for different countries, but also specific certifications like SIL2 or Green Passport.

9. Triple Sensing Technology

The 3oTec detector combines heat, optical and CO detection to send signal to the fire control panel. Through sophisticated data analysis and high speed processing from all three sensors simultaneously, the system is designed to accurately identify a real fire. Single sensors only react to one indicator of potential fire, meaning the risk of false alarm is greater.

10. Improved Communication

Generation 6 detectors from Johnson Controls use highly sophisticated frequency modulation to send the highest quality signals to the fire the controlpanel. This improved communication with the panel, is intended to achieve a more accurate detection of fire and a quicker response from system.