tyco Fire Protection Products

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Tyco Fire Protection Products strengthens its commitment to cleaner fire detection technologies

Gen 6 Detectors from Tyco Fire Protection Products do not include ionisation detectors and this approach is symptomatic of the trends in the fire industry for the last two decades. Instead the High Performance Optical (HPO) detectors, that combine optical and heat sensing in one device, provide a viable alternative.

Tyco's HPO detectors were one of the first smoke detectors to exploit the possibility of using this temperature rise in combination with the small amount of optical scatter produced during flaming fires. Tyco offers not only a range of sensors for use in digital addressable systems but also HPO detectors that can be used as replacements for detectors in conventionally wired systems.

The HPO detection technology was first developed in the early 1990s as an effective non-radioactive alternative to ionised smoke detectors. Within the Gen 6 Detector range, Tyco Fire Protection Products also offers 3oTec Detectors which combine the benefits of HPO with a triple sensor which can accurately detect small smouldering fires.

Although Ionisation Chamber Smoke Detectors (ICSD) present no risk when fitted, they contain a trace of radioactive material, which can be a potential hazard when large numbers are stored or transported together. As a direct result of the development and widespread uptake of HPO detectors, Tyco no longer manufacture ICSD products.

Read our white paper to learn more about how Tyco's high performance optical detectors have replaced ion chamber smoke detectors.

You can read the HPO White Paper by clicking here.