



Press Release: FGD receives FM performance approval
Date: 15.03.2022
PR00221

FGD is pleased to announce the receipt of Performance approval on its 2022 range of FlameSpec flame detectors.

In addition to extending the list of tested fuels including Methanol, Ethanol, Methane, Hydrogen and Syngas, FGD also tested its extended range of flame detectors released mid-way through 2022. These detectors include the:

- X3 CO2L mode flame detectors tuned for false alarm rejection of Hot Heavy Hydrocarbon exhaust gases from Jet and Turbo Diesel engines
- X5 HiSpeed flame detector designed for high speed operations such as printing, powder coating and automotive spray booths where a very fast detection speed is required

For 2022, FGD has also enhanced its entire range of detectors with an additional sensitivity setting to 5x, additional Aux relay option to 3x, flame warning and additional parameter monitoring for improved safety monitoring leading to SIL2 certification.

The improvements to the 2022 range are game changers for some client groups said VP Sales Iain Evans. The original product line was already offering significant performance improvements over our competitors and these changes enable us to tackle a few specific applications/markets where clients are still suffering unwanted false alarms causing accidental suppressant release or unplanned shutdowns which can not only add significant operating costs but also reduce operator confidence in the safety system.

The X3 IR3 detector is designed for applications where Hot Exhaust emissions are common causes of false alarms, including airports and truck loading stations. The drive towards more efficient engines has had the effect of higher operating temperatures the exhaust signature is indistinguishable from a real fire for many standard IR3 detectors leading to accidental release.

The X5 addresses a particular application where speed is the essence. NFPA33 is a US standard that addresses the safety of paint spray booths. Specifically, the standard calls for flame detection response within 0.5secs. The X5 variant is available in all 3 detector types, UVIR, IR3 and IR3-H2 for the various fuels used in this very specific application. The sub-0.5sec response time enables the safety system to react shutting down the operation, activating the control panel and suppression system and potentially stopping a dangerous situation before it gets out of control saving equipment and lives.

The new detectors are available and in stock from our manufacturing facility in Anaheim, CA