

### VOLUMETRIC FLAME DETECTION – 40/40C – BASIC SERIES

**40/40C-I Multispectrum IR3**



**40/40C-L4B UV/IR**



**40/40C-LB UV/IR**



**40/40C-M Multispectrum IR3 + H**



The next-generation SharpEye 40/40C series is based on Proven SPX Triple-IR (IR3) technology, features rapid long-distance hydrocarbon-based gas and fuel fire detection using pioneering QuadSense: Next Generation Technology in the Optical Flame Detection Industry with improved performance.

The series is globally certified and suitable to meet the challenges of the most demanding applications with revolutionary UV/IR BIT and intelligent field of view optical integrity for flawless operation, wide operating temperature range in extreme weather conditions that provide reliable protection for people and high-value properties and thus maintain your safety.

### Features and Benefits

- Multi-Spectrum Quad-Sense Flame Detector: Integrates four IR sensors to further enhance the differentiation of flame sources from flameless background radiation.
- Advanced long-distance detection of up to 65 m (215 ft) for hydrocarbon-based gas and fuel fires
- Fast detection, less than 5 s
- Proven immunity against false alarms
- Unmatched reliability: 150,000 hours of MTBF
- Best-in-class temperature range: -40 to +75°C (-40 to +185°F)
- Improved durability backed by to 5-year warranty
- 5 levels of sensitivity, adapting to any application
- Intelligent field of view integrity test, enabling flawless operation
- Built-in innovative IR test: continuously validating optical integrity and electronic circuits
- Multiple output options for maximum compatibility with standard infrastructures.
- Plug-and-Play: factory calibrated for immediate use in any fire detection system
- Universal wiring option for fast ordering
- Two-mode heated optics for flawless performance in harsh environmental conditions
- Global and regional certificate for hazardous areas
- Performance and reliability approved by recognized certification bodies
- Compatible con SIL3
- Approvals: ATEX, IECEx, FM/FMC/CSA, TR CU (EAC). MED "Wheelmark" (DNV), EN54-10 (VdS) | FM3260, IEC61508 - SIL3 compatible

- Integration of UV and IR optical sensors for the detection of gas fires and hydrocarbon-based fuel.
- Fast detection in less than 5 s
- Proven immunity against false alarms
- Unmatched reliability: 150,000 hours of MTBF
- Wide temperature range: -40 to +75°C (-40 to +185°F)
- Global and regional certificate for hazardous areas
- Performance and reliability approved by recognized certification bodies
- Compatible con SIL3
- Improved durability backed by to 5-year warranty
- Intelligent field of view integrity test, enabling flawless operation
- Innovative built-in UV and GO testing: continuously validating optical integrity and electronic circuits
- Multiple output options for maximum compatibility with standard infrastructures.
- Plug-and-Play: factory calibrated for immediate use in any fire detection system
- Universal wiring option for fast ordering
- Three levels of sensitivity, adapting to any application
- Two-mode heated optics for flawless performance in harsh environmental conditions
- Approvals: ATEX, IECEx, FM/FMC/CSA, TR CU (EAC). MED "Wheelmark" (DNV), EN54-10 (VdS) | FM3260, IEC61508 - SIL3 compatible
- Spectral Response: UV: 0.185-0.260 μ m; IR: 4.3-4.8 μ m

- Integration of UV and IR optical sensors for fire detection from a wide variety of hazardous sources, such as fuel and gas based on hydrocarbons, hydroxyl, hydrogen, metals, inorganic etc.
- Fast detection in less than 5 s
- Proven immunity against false alarms
- Unmatched reliability: 150,000 hours of MTBF
- Wide temperature range: -40 to +75°C (-40 to +185°F)
- Global and regional certificate for hazardous areas
- Performance and reliability approved by recognized certification bodies
- Compatible con SIL3
- Improved durability backed by a five-year warranty
- Intelligent field of view integrity test, enabling flawless operation
- Innovative built-in UV and GO testing: continuously validating optical integrity and electronic circuits
- Multiple output options for maximum compatibility with standard infrastructures.
- Plug-and-Play: factory calibrated for immediate use in any fire detection system
- Universal wiring option for fast ordering
- Three levels of sensitivity, adapting to any application
- Two-mode heated optics for flawless performance in difficult environmental conditions
- Approvals: ATEX, IECEx, FM/FMC/CSA, TR CU (EAC). MED "Wheelmark" (DNV), EN54-10 (VdS) | FM3260, IEC61508 - SIL3 compatible
- Spectral Response: UV: 0.185-0.260 μ m; IR: 2.5-3.0 μ m

- Multi-Spectrum Quad-Sense™ Flame Detector: Integrates four IR sensors to further enhance the differentiation of flame sources from flameless background radiation.
- Advanced long-distance detection of up to 65 m (215 ft) for hydrocarbon-based gas and fuel fires
- Fast detection, less than 5 s
- Proven immunity against false alarms
- Unmatched reliability: 150,000 hours of MTBF
- Wide temperature range: -40 to +75°C (-40 to +185°F)
- Improved durability backed by a 5-year warranty
- 5 levels of sensitivity, adapting to any application
- Intelligent field of view integrity test, enabling flawless operation
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