

APPLICATION: Warehouses and Open Buildings

Location: **Industrial parks, airports and other transport terminals, storage facilities**

Detector: **ASD systems**



Benefits of Scorpion® -

- No high level access equipment required (Health and safety issues, damage to building, etc.)
- All areas available at all times
- Speed of testing increased
- No deviations to test regime due to access issues
- Consistent and repeatable test with benign agent leads to better unwanted alarm management/reliability

Many industrial parks are now built as open shells that can then be adapted to suit the individual needs of a particular occupant. Smoke detection in warehouses and open buildings is often done using ASD systems where the sampling pipes are positioned along girders and across the open spaces of the building. These could be out of reach for routine testing, meaning any test comprises a basic function test of the detector only and not the sampling pipe or holes. There is no guarantee that in the event of a fire, the smoke can travel the length of the pipe to the detector.

An additional problem is that once occupied, smoke testing may be difficult (if not impossible) without disruption to the business, because sampling pipes may be above racking, machinery or production facilities. Current performance smoke testing often involves live fire sources such as KW heaters or pyrotechnic chemicals adding to potential risk.

Testing these systems are a challenge to the maintenance engineers who keep the building operational. Current test methods often mean:

- Cordoning off areas which disrupts the normal operation of the building
- Moving furniture or machinery to allow access to the detectors or sampling points
- Bringing in access equipment (hire cost, possible damage to building / floor tiles, health and safety issues, etc.)
- Out of hours working (evening or weekends) increases staff costs

Scorpion changes all this. With Scorpion micro smoke generating heads mounted at the ends of the air sampling pipes and the Scorpion control panel mounted in easy reach, testing these systems can now easily be carried out during operational hours.

All disruption is eliminated and the operation of the building continues as normal because there are no health and safety risks once installed. Add to this the value of a consistent and repeatable test that enables the on-going performance of the ASD system to be monitored from one test to the next.

Scorpion radically changes the way ASD systems will be tested and maintained.



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