



5 REASONS

TO USE Tyco Safety Products INTRINSICALLY SAFE FIRE DETECTION



004

1. NEW HAZARDOUS ZONE CLASSIFICATIONS FOR DUST RISK

The ATEX directive became mandatory in 2003 and introduced new hazardous area zone classifications for dust risks. Zones 20, 21 and 22 correspond to Zones 0, 1 and 2 for gas risks. If your process presents a dust risk then your fire detection system should be approved for the appropriate dust zone classification. Tyco Safety Products system 620 and system 800 are approved for both gas and dust applications.

2. TYCO OFFERS TWO I.S. FIRE DETECTION SOLUTIONS

Tyco Safety Products offer two I.S. fire detection systems. The conventional system 620 and the MZX digital addressable system 800. Both systems include:

- Photo-optical/heat multi-sensor smoke detector
- Rate of rise heat detector
- Fixed temperature heat detector
- Point I.R. flame detector
- Carbon monoxide/heat multi-sensor fire detector

The wide range of detection options available means that you do not have to compromise your choice of detector in a gas or dust hazardous atmosphere.

3. I.S. FIRE DETECTOR PERFORMANCE IS NOT AFFECTED BY DUST

If you are protecting a dust risk then it is inevitable that there will be airborne dust present at some time. The performance of an optical or ionisation smoke detector will most likely be adversely affected by the presence of dust. Heat detectors are often used in this situation which is likely to degrade the fire response of the system. Tyco Safety Products' unique intrinsically safe carbon monoxide/heat multi-sensor smoke detector is approved for gas and dust hazardous area applications. In most cases, CO based fire detection is the preferred choice for dusty environments.

4. I.S. DETECTORS ARE APPROVED BY ATEX, IECEx, LPCB and VdS

Tyco Safety Products I.S. fire detection systems are tested and approved by the leading hazardous area and independent fire industry approval bodies including ATEX, IECEx, LPCB and VdS.



5. RELIABLE, PRACTICAL AND ECONOMIC FIRE DETECTION SOLUTIONS

The conventional system 620 is ideal for smaller systems or self contained hazardous areas where point identification is not a requirement. For larger systems or where it is advantageous to know the precise location of an alarm, then the digital addressable MZX system 800 is the better choice. Both systems offer economical, practical and reliable fire detection solutions for hazardous areas. Both systems benefit from the inherent advantages of intrinsic safety and both employ galvanic isolation thus avoiding the need for a potentially expensive high integrity earth connection.

For further information:

Toll Free: 0800 CALL TYCO or (0800 22 55 89 26)