Teraco Data Centres - South Africa

Client: Teraco Data Environments - South Africa

Application: Multiple Data Centres within South Africa

Aspirating Detector used: Teraco Isando – 24 x 4 x Pipe Cirrus HYBRID Fire & Smoke Detectors
Teraco Bredell – 18 x 4 x Pipe Cirrus HYBRID Fire & Smoke Detectors

Reasons for using Cirrus HYBRID Aspirating Fire & Smoke Detectors:

- Aspirating detection utilizes 'active' air sampling through the use of sampling holes drilled into sampling pipework. Each sampling hole is spaced to suit the local country design standards and the specific application/risk.
- Cirrus HYBRID Detectors can respond to fire conditions in advance of standard point detection.
- Cirrus HYBRID Detectors do not provide unwanted alarms from dust and other pollutants.
- Only Cirrus HYBRID Detectors provide both cloud chamber 'fire' detection and optical 'smoke' detection within a single aspirating detector.
- Cirrus HYBRID Detectors are a sensitive yet stable fire detection system responding to products of combustion.

Client Detection System Requirements:

Very Early Warning Detection (Class A) for data centre floor voids & rooms and CRAC units. Many rooms have interlaced detection configurations and provide signals to fixed room suppression systems. One major feature of the Cirrus HYBRID detector for this client is the ability to ensure unwanted alarms do not operate the suppression systems (cloud chamber/HYBRID technology), integrated with the programmability for any specific smoke obscuration value to initiate alarm investigation/action/suppression.

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