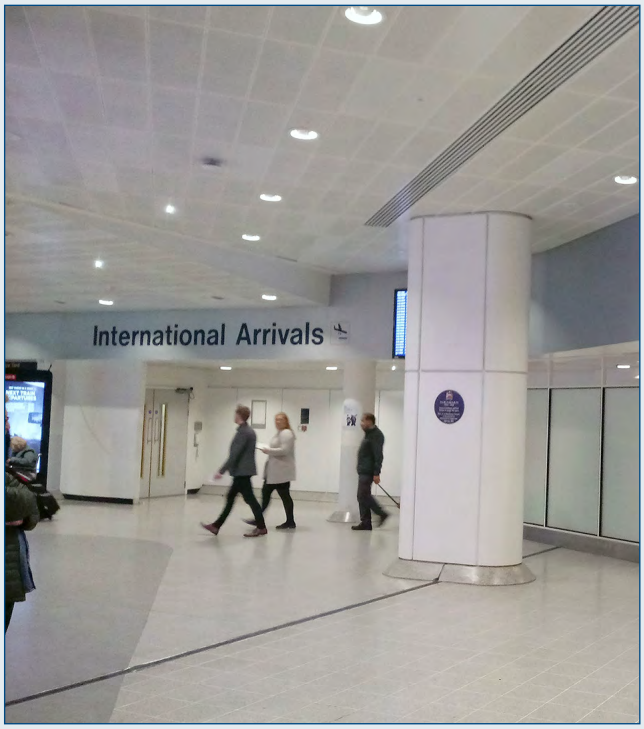
Manchester Airport, Manchester - England

Aspirating Detection - Application Bulletins



Client: Manchester International Airport, Manchester - England

Application: Air Traffic Control Tower, All Comms Rooms, Arrivals Lounge, Departures Lounge, Check-in Areas, Baggage Re-claim Area, Security Check Areas, Ceiling Voids, Plantrooms, Concorde Exhibition Area

Aspirating Detectors Used: Approximately 130 x Cirrus Pro Aspirating Fire Detectors, ProPointPLUS Aspirating Smoke Detectors and Cirrus HYBRID Fire & Smoke Detectors installed over a 12 year period

Clients Detection System Requirements:
Very Early Warning Detection (Class A) - Air Traffic Control Tower & Comms Rooms
Enhanced Detection (Class B) - Security Check Areas, Airport Lounges & High Ceiling Spaces
Normal Sensitivity Detection (Class C) and false alarm resistant - Inaccessible Void Areas & Plantrooms

Reasons for using Cirrus Pro and Cirrus HYBRID Aspirating Detection Systems.

- Aspirating detection utilizes 'active' air sampling through the use of sampling holes drilled into sampling pipework. Each sampling hole is spaced as if it were a smoke detector to ensure compliance with British Standards.
- Cirrus Pro/HYBRID Detectors can respond to fire conditions in advance of standard point detection.
- Cirrus Pro/HYBRID Detectors do not provide unwanted alarms from dust and other pollutants.
- Cirrus Pro/HYBRID Detectors do not provide unwanted alarms from temperature changes and temperature extremes.
- Cirrus Pro/HYBRID Detectors are a sensitive yet stable fire detection system responding to products of combustion.
- The Cirrus Pro/HYBRID & ProPoint PLUS aspirating detectors can provide an alarm at an earlier stage of a fire than most other comparable technologies in these various applications.

Protec aspirating detectors are have been operational throughout the Manchester Airport site for approximately 12 years. The new range of Protec Cirrus HYBRID and ProPointPlus aspirating detectors are forming the largest part of the 2018 major airport site refurbishment project.

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